

Datum izdavanja dodatka: 26.12.2024.

Issue date of annex: 26.12.2024.

Zamjenjuje dodatak: 04.09.2024.

Replaces Annex dated: 04.09.2024.

Dodatak Sertifikatu o akreditaciji sa akreditacionim brojem Li 08.03
Annex to the Accreditation Certificate with Accreditation Number Li 08.03

Standard: MEST EN ISO/IEC 17025:2018

Datum dodjele / obnavljanja akreditacije:

Date of granting / renewal of accreditation:

10.04.2008. / 04.09.2024.

Akreditacija važi do: 03.09.2028.

Accreditation is valid until: 03.09.2028.

Akreditovana laboratorija za ispitivanje

Accredited testing laboratory

Centar za ekotoksikološka ispitivanja DOO Podgorica
Sektor za laboratorijsku dijagnostiku i zaštitu od zračenja
Bulevar Šarla de Gola br. 2, Podgorica

Područje akreditacije / Scope of accreditation

Fizičko-hemijska ispitivanja: Voda za piće i led, Površinske i podzemne vode, Otpadne vode, Morska voda, Ribe, rakovi i proizvodi od riba, Mlijeko i mliječni proizvodi, Med, Žita i mlinski proizvodi, Proizvodi od voća i povrća, Kakao proizvodi, proizvodi slični čokoladi, bombonski proizvodi, krem proizvodi, keks i proizvodi srodni keksu, Meso i mesni proizvodi, Hrana za životinje, Hrana biljnog i životinjskog porijekla, Povrće i voće, Biološki materijal (urin, serum, plazma), Alkoholna pića, pivo i vino, Sokovi, sirupi i osvježavajuća bezalkoholna pića, Maslinovo ulje, Ulja i masti biljnog i životinjskog porijekla, Vazduh - kvalitet vazduha ambijenta, Vazduh - emisije iz stacionarnih izvora, Sediment i zemljište, Otpad, Transformatorska ulja; **Ispitivanja radioaktivnosti:** Voda, Vazduh, Zemljište, Hrana, Građevinski materijal, Ispitivanje nivoa spoljašnjeg zračenja, Ispitivanje izvora jonizujućeg zračenja; **Akustička ispitivanja:** Buka, **Uzorkovanje:** Voda za piće, površinske, podzemne, morske i otpadne vode, Zemljište i sediment

Physical-chemical testing: Drinking water and ice, Surface and underground water, Waste water, Sea water, Fish, crabs and fish products, Milk and dairy products, Honey, Cereals and milled products, Fruit and vegetable products, Cocoa products, chocolate like products, confectionery, cream products, biscuits and similar products, Meat and meat products, Feed, Food of plant and animal origin, Vegetables and fruits, Biological material (urine, serum, plasma), Alcoholic beverages, beer and wine, Juices, syrups and non-alcoholic beverages, Olive oil, Oil and fats of vegetable and animal origin, Air - ambient air quality, Air - stationary source emissions, Sediment and soil, Waste, Transformer oil, **Radioactivity testing:** Water, Air, Soil, Food, Building material, Measurement of external radiation levels, Measurement of ionizing radiation sources, **Acoustic testing:** Noise, **Sampling:** Drinking water, surface, underground, sea and waste water, Soil and sediment

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Detaljan obim akreditacije / Detailed scope of accreditation

Laboratorija Sektora za laboratorijsku dijagnostiku i zaštitu od zračenja, Bulevar Šarla de Gola 2, Podgorica

* Metoda ispitivanja se sprovodi na terenu

** Metoda ispitivanja se sprovodi u Laboratoriji i na terenu

| Red Br. <i>No.</i> | Predmet ispitivanja/ materijal/ proizvod <i>Testing item/ material/product</i> | Oblast ispitivanja <i>Field of testing</i> | Vrsta ispitivanja i/ili karakteristika koja se mjeri (tehnika ispitivanja) <i>Type of test and/or property measured (testing technique)</i> | Opseg mjerenja (gdje je primjenjivo) <i>Measuring range (where applicable)</i> | Referentni dokument <i>Reference document</i> | Lokacija <i>Location</i> |
|------------------------------|--|---|---|--|---|------------------------------------|
| 1. | Voda za piće i led <i>Drinking water and ice</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Određivanje mutnoće <i>Determination of turbidity</i> | L.D.: 0,1 NTU | Voda za piće - standardne metode za ispitivanje higijenske ispravnosti, Beograd 1990, Savezni zavod za zdravstvenu zaštitu, strana 118 (SMVP-118) <i>Drinking water Standard methods for hygienic testing, Belgrade 1990, the Federal Bureau for health protection, page 118 (SMVP-118)</i> | L1 |
| 2. | Voda za piće i led <i>Drinking water and ice</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | *Određivanje temperature <i>*Determination of temperature</i> | Opseg Range (-30-100)°C | Voda za piće - standardne metode za ispitivanje higijenske ispravnosti, Beograd 1990, Savezni zavod za zdravstvenu zaštitu, strana 116 (SMVP-116) <i>Drinking water Standard methods for hygienic testing, Belgrade 1990, the Federal</i> | L1 |

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| | | | | | Bureau for health protection, page 116 (SMVP-116) | |
| 3. | Voda za piće i led <i>Drinking water and ice</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | **Određivanje pH <i>**Determination of pH</i> | Opseg Range 1–14 | MEST EN ISO 10523:2013 | L1 |
| 4. | Voda za piće i led <i>Drinking water and ice</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | **Određivanje električne provodljivosti <i>**Determination of electrical conductivity</i> | L.D.: 0,1 µS/cm | MEST EN 27888:2009 | L1 |
| 5. | Voda za piće i led <i>Drinking water and ice</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Određivanje karbonatnog alkaliteta volumetrijski <i>Determination of alkalinity by volumetric titration</i> | L.D.: 0,01 mg CaCO ₃ /l | MEST EN ISO 9963-2:2009 | L1 |
| 6. | Voda za piće i led <i>Drinking water and ice</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Određivanje ukupne tvrdoće volumetrijski <i>Determination of total hardness by volumetric titration</i> | L.D.: 0,1° dH | Standard Methods for examination of Water and Wastewater- 19th Edition 1995, edited by Andrew D. Eaton, Lenore S. Clasceri and Arnold E. Greenberg, 2340 (SMEW2340) | L1 |
| 7. | Voda za piće i led <i>Drinking water and ice</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Određivanje isparnog ostatka <i>Determination of dry residue</i> | L.D.: 5 mg/l | Voda za piće-standardne metode za ispitivanje higijenske ispravnosti, Beograd 1990, | L1 |

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| | | | | | Savezni zavod za zdravstvenu zaštitu, strana 129 (SMVP-111) <i>Drinking water Standard methods for hygienic testing, Belgrade 1990, the Federal Bureau for health protection, page 129 (SMVP-111)</i> | |
| 8. | Voda za piće i led <i>Drinking water and ice</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Određivanje nitrita spektrofotometrijski <i>Spectrophotometric determination of nitrite</i> | L.D.: 0,001 mg/l | Standard Methods for examination of Water and Wastewater- 19th Edition 1995, edited by Andrew D. Eaton, Lenore S. Clasceri and Arnold E. Greenberg, ^{4500-NO₂B}, Colorimetric method (SMEW4500-NO2B) | L1 |
| 9. | Voda za piće i led <i>Drinking water and ice</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Određivanje nitrata spektrofotometrijski <i>Spectrophotometric determination of nitrate</i> | L.D.: 0,04 mg/l | Standard Methods for examination of Water and Wastewater- 19th Edition 1995, edited by Andrew D. Eaton, Lenore S. Clasceri and Arnold E. Greenberg, ^{4500NO₃B} (SMEW4500- | L1 |

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| | | | | | NO3B) | |
| 10. | Voda za piće i led <i>Drinking water and ice</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Određivanje amonijaka spektrofotometrijski <i>Spectrophotometric determination of ammonia</i> | L.D.: 0,02 mg/l | Voda za piće-standardne metode za ispitivanje higijenske ispravnosti, Beograd 1990, Savezni zavod za zdravstvenu zaštitu, strana 179 (SMVP-179) <i>Drinking water Standard methods for hygienic testing, Belgrade 1990, the Federal Bureau for health protection, page 179 (SMVP-179)</i> | L1 |
| 11. | Voda za piće i led <i>Drinking water and ice</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Određivanje fenola spektrofotometrijski <i>Spectrophotometric determination of phenols</i> | L.D.: 0,0005 mg/l | Voda za piće-standardne metode za ispitivanje higijenske ispravnosti, Beograd 1990, Savezni zavod za zdravstvenu zaštitu, strana 299 (SMVP-299) <i>Drinking water Standard methods for hygienic testing, Belgrade 1990, the Federal Bureau for health protection, page 299 (SMVP-299)</i> | L1 |
| 12. | Voda za piće i led <i>Drinking water</i> | Fizičko-hemijska ispitivanja | Određivanje fluorida jonselektivnom elektrodom | L.D.: 0,02 mg/l | Voda za piće-standardne metode za | L1 |

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| | <i>and ice</i> | <i>Physical-chemical testing</i> | <i>Determination of fluorides (ISE method)</i> | | ispitivanje higijenske ispravnosti, Beograd 1990, Savezni zavod za zdravstvenu zaštitu, jon selektivna elektroda, str. 326 (SMVP-326) <i>Drinking water Standard methods for hygienic testing, Belgrade 1990, the Federal Bureau for health protection, ion selective electrodes, page 326 (SMVP-326)</i> | |
| 13. | Voda za piće i led <i>Drinking water and ice</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Određivanje fluorida, hlorida, nitrata, nitrita, fosfata i sulfata primjenom jonske hromatografije <i>Determination of fluorides, chlorides, nitrates, nitrites, phosphates and sulphates by ion chromatography</i> | L.D.(F ⁻): 0,05 mg/l L.D. (Cl ⁻): 1 mg/l L.D (NO ₂ ⁻): 0,01 mg/l L.D. (NO ₃ ⁻): 1 mg/l L.D. (PO ₄ ³⁻): 0,01 mg/l L.D. (SO ₄ ²⁻): 1 mg/l | MEST EN ISO 10304-1:2012 | L1 |
| 14. | Voda za piće i led <i>Drinking water and ice</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Određivanje fosfata spektrofotometrijski <i>Spectrophotometric determination of phosphate</i> | L.D.: 0,01 mg/l P | Standard Methods for examination of Water and Wastewater- 19th Edition 1995, edited by Andrew D. Eaton, Lenore S. Clasceri and Arnold E. Greenberg, 4500- | L1 |

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| | | | | | P D (SMEW4500PD) | |
| 15. | Voda za piće i led <i>Drinking water and ice</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Određivanje elemenata primjenom plamene atomske apsorpcione spektrometrije (FAAS) <i>Determination of elements by flame atomic absorption spectrophotometry (FAAS)</i> | L.D.(K): 0,1 mg/l L.D. (Na): 0,1 mg/l | Standard Methods for examination of Water and Wastewater-19th Edition 1995, edited by Andrew D. Eaton, Lenore S. Clasceri and Arnold E. Greenberg, 3500B (SMEW3500B) | L1 |
| 16. | Voda za piće i led <i>Drinking water and ice</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Određivanje elemenata primjenom indukovanog spregnute plazme – optičke emisije spektrometrije (ICP-OES) <i>Determination of elements by inductively coupled plasma- optical emission spectrometry (ICP-OES)</i> | L.D.(B): 0,005 mg/l L.D.(Ca): 0,5 mg/l L.D.(Mg): 0,5 mg/l L.D.(Na): 0,001 mg/l L.D.(K): 0,001 mg/l | EPA 200.7 Determination of Metals and Trace Elements in Water and Wastes by Inductively Coupled Plasma-Atomic Spectrometry | L1 |
| 17. | Voda za piće i led <i>Drinking water and ice</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Određivanje elemenata primjenom masene spektrometrije sa indukovanom spregnutom plazmom (ICP-MS) <i>Determination of elements by mass spectrometry with inductively coupled plasma (ICP-MS)</i> | L.D.(Ag): 0,2 µg/l L.D.(Al): 10 µg/l L.D.(As): 0,2 µg/l L.D.(Ba): 2 µg/l L.D.(Be): 0,1 µg/l L.D.(Cd): 0,1 µg/l L.D.(Co): 0,1 µg/l L.D.(Cr): 0,1 µg/l | MEST EN ISO 17294-2:2017 | L1 |

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| | | | | L.D.(Cu): 1 µg/l L.D.(Fe): 25 µg/l L.D.(Mn): 0,2 µg/l L.D.(Ni): 0,2 µg/l L.D.(Se): 0,5 µg/l L.D.(Sn): 0,1 µg/l L.D.(Sb): 0,1 µg/l L.D.(Pb): 0,2 µg/l L.D.(Zn):5 µg/l L.D.(Mo):1 µg/l L.D.(V):V 0,1 µg/l | | |
| 18. | Voda za piće i led <i>Drinking water and ice</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Određivanje žive živinim analizatorom <i>Determination of mercury by mercury analyzer</i> | L.D.: 0,0001 mg/l | Determination of Mercury in Hg Standard Solutions at the Lower Range Limit, Organic application note Leco AMA 254, Form No. 203-823-111, Leco corporation, 2003. (AMA-111) | L1 |
| 19. | Voda za piće i led <i>Drinking water and ice</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Određivanje silikata sa amonijum-molibdatom spektrofotometrijski <i>Spectrophotometric determination of silicates using ammonia-molybdate</i> | L.D.: 0,01 mg/l | Voda za piće-standardne metode za ispitivanje higijenske ispravnosti, Savezni zavod za zdravstvenu zaštitu, Beograd 1990, 520. (SMVP-520) Drinking water Standard methods for hygienic | L1 |

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| | | | | | testing, Belgrade 1990, the Federal Bureau for health protection, page 520 (SMVP-520) | |
| 20. | Voda za piće i led <i>Drinking water and ice</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Određivanje polihlorovanih bifenila (PCBs) <i>Determination of polychlorinated biphenils (PCBs)</i> (PCB 18, PCB 28, PCB 31, PCB 44, PCB 52, PCB 101, PCB 118, PCB 138, PCB 149, PCB 153, PCB 180, PCB 194) | L.D.: 0,000001 mg/l | 1. Standard Methods for examination of Water and Wastewater-19th Edition 1995, edited by Andrew D. Eaton, Lenore S. Clasceri and Arnold E. Greenberg, 6431 B (SMWP-6431B) 2. Standard Methods for examination of Water and Wastewater-19th Edition 1995, edited by Andrew D. Eaton, Lenore S. Clasceri and Arnold E. Greenberg, 6431 C (SMWP-6431C) | L1 |
| 21. | Voda za piće i led <i>Drinking water and ice</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Određivanje policikličnih aromatskih ugljovodonika <i>Determination of polycyclic aromatic hydrocarbons</i> (Naphthalene, Acenaphthylene, Acenaphthene, Fluorene, | L.D.: 0,00001 mg/l | Standard Methods for examination of Water and Wastewater-19th Edition 1995, edited by Andrew D. Eaton, Lenore S. Clasceri and Arnold E. | L1 |

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| | | | <i>Phenanthrene, Anthracene, Fluoranthene, Pyrene, Benzo (a) anthracene, Chrysene, enzo(b)fluoranthene, Benz (k) fluoranthene, Benzo (a) pyrene, Indeno (1,2,3-cd) pyrene, Dibenzo (a,h) anthracene, Benzo (g,h,i) perylene</i> | | Greenberg, 6440 C (SMWP-6440C) | |
| 22. | Voda za piće i led <i>Drinking water and ice</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Određivanje organohlorinih pesticida <i>Determination of organochlorine pesticides (HCH-alpha, HCH-beta, HCH-gamma, HCB-delta, Heptachlor, Aldrin, Heptachlor epoxide (cis), Chlordane-trans (gamma), Chlordane-cis (alfa), Dieldrin, DDE-p,p', DDD-p,p', DDT-p,p', Endrin, Endosulfan-alpha, Endosulfan-beta, Endrine aldehyde, Endosulfan sulphate, Methoxychlor)</i> | L.D.: 0,000005 mg/l | Standard Methods for examination of Water and Wastewater- 19th Edition 1995, edited by Andrew D. Eaton, Lenore S. Clasceri and Arnold E. Greenberg, 6630 C (SMWP-6630C) | L1 |
| 23. | Voda za piće i led <i>Drinking water and ice</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Određivanje organofosforinih pesticida <i>Determination of organophosphorus pesticides (Dichlorvos, Metachrifos, Fonofos, Diazinon, Chlorpyrifos-methyl, Parathion-methyl,</i> | L.D.: 0,00005 mg/l | EPA Method 8141 A- Organophosphorus compounds by gas chromatography : capillary column technique | L1 |

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| | | | <i>Chlorpyrifos, Fenthion, Pirimiphos-methyl, Chlorfenvinphos, Fenamiphos, Profenofos, Ethion, Triazophos, Phosmet, Phosalone)</i> | | | |
| 24. | Voda za piće i led <i>Drinking water and ice</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Određivanje sadržaja organokalajnih jedinjenja u vodi metodom GCMS <i>Determination of organotin compounds in water by GCMS method (Monobutylkalaj, Dibutylkalaj, Tributylkalaj, Tetrabutylkalaj, Monoethylkalaj, Diethylkalaj, Trifenilkalaj, Tricikloheksilkalaj)</i> | L.D. 0,00005 mg/l | ISO 17353:2004 | L1 |
| 25. | Voda za piće i led <i>Drinking water and ice</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Određivanje indeksa mineralnih ulja metodom GCMS <i>Determination of hydrocarbon oil index by GCMS method</i> | L.D.: 10 µg/l | MEST EN ISO 9377-2:2014 | L1 |
| 26. | Voda za piće i led <i>Drinking water and ice</i> | Hemijska ispitivanja <i>Chemical testing</i> | Određivanje trihalometana u vodi Tehnika: GC-MS <i>Determination of trihalomethanes in water (Chloroform, Bromodichloromethane, Dibromochloro</i> | LOQ 5µg/l | EPA 5021A Volatile organic compounds in various sample matrices using equilibrium headspace analysis | L1 |

Datum izdavanja dodatka: 26.12.2024.

Issue date of annex: 26.12.2024.

Zamjenjuje dodatak: 04.09.2024.

Replaces Annex dated: 04.09.2024.

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|------------------------------|--|---|---|--|---|------------------------------------|
| | | | <i>-methane, Bromoform Technique: GC-MS</i> | | | |
| 27. | Površinske i podzemne vode <i>Surface and underground water</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Određivanje mutnoće <i>Determination of turbidity</i> | L.D.: 0,1 NTU | Voda za piće-standardne metode za ispitivanje higijenske ispravnosti, Beograd 1990, Savezni zavod za zdravstvenu zaštitu, strana 118 (SMVP-118) <i>Drinking water Standard methods for hygienic testing, Belgrade 1990, the Federal Bureau for health protection, page 118 (SMVP-118)</i> | L1 |
| 28. | Površinske i podzemne vode <i>Surface and underground water</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | *Određivanje temperature <i>*Determination of Temperature</i> | Opseg/Range: (-30-100) ⁰ C | Voda za piće-standardne metode za ispitivanje higijenske ispravnosti, Beograd 1990, Savezni zavod za zdravstvenu zaštitu, strana 116 (SMVP-116) <i>Drinking water Standard methods for hygienic testing, Belgrade 1990, the Federal Bureau for health protection, page 116 (SMVP-116)</i> | |
| 29. | Površinske i podzemne vode <i>Surface and</i> | Fizičko-hemijska ispitivanja | **Određivanje pH <i>**Determination of pH</i> | Opseg/Range: 0-14 | MEST EN ISO 10523:2013 | L1 |

Datum izdavanja dodatka: 26.12.2024.

Issue date of annex: 26.12.2024.

Zamjenjuje dodatak: 04.09.2024.

Replaces Annex dated: 04.09.2024.

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|------------------------------|--|---|---|--|---|------------------------------------|
| | <i>underground water</i> | <i>Physical-chemical testing</i> | | | | |
| 30. | Površinske i podzemne vode <i>Surface and underground water</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | **Određivanje električne provodljivosti <i>**Determination of electrical conductivity</i> | L.D.: 0,1 µS/cm | MEST EN 27888:2009 | L1 |
| 31. | Površinske i podzemne vode <i>Surface and underground water</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Određivanje nitrata spektrofotometrijski <i>Spectrophotometric determination of nitrite</i> | L.D.: 0,001 mg/l | Standard Methods for examination of Water and Wastewater- 19th Edition 1995, edited by Andrew D. Eaton, Lenore S. Clasceri and Arnold E. Greenberg, ^{4500-NO₂B} Colorimetric method (SMEW4500NO 2B) | L1 |
| 32. | Površinske i podzemne vode <i>Surface and underground water</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Određivanje nitrata spektrofotometrijski <i>Spectrophotometric determination of nitrate</i> | L.D.: 0,04 mg/l | Standard Methods for examination of Water and Wastewater- 19th Edition 1995, edited by Andrew D. Eaton, Lenore S. Clasceri and Arnold E. Greenberg, ^{4500NO₃-B} (SMEW4500NO 3B) | L1 |
| 33. | Površinske i podzemne vode | Fizičko-hemijska | Određivanje fluorida, hlorida, | L.D.(F ⁻): 0,025 mg/l | MEST EN ISO 10304-1:2012 | L1 |

Datum izdavanja dodatka: 26.12.2024.

Issue date of annex: 26.12.2024.

Zamjenjuje dodatak: 04.09.2024.

Replaces Annex dated: 04.09.2024.

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|------------------------------|--|---|--|---|---|------------------------------------|
| | <i>Surface and underground water</i> | ispitivanja <i>Physical-chemical testing</i> | nitrata, nitrita, fosfata i sulfata primjenom jonske hromatografije <i>Determination of fluorides, chlorides, nitrates, nitrites, phosphates and sulphates by ion chromatography</i> | L.D. (Cl ⁻): 1 mg/l L.D. (NO ₂ ⁻): 0,001 mg/l L.D. (NO ₃ ⁻): 1 mg/l L.D. (PO ₄ ³⁻): 0,005 mg/l L.D. (SO ₄ ²⁻): 1 mg/l | | |
| 34. | Površinske i podzemne vode <i>Surface and underground water</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Određivanje amonijaka spektrofotometrijski <i>Spectrophotometric determination of ammonia</i> | L.D.: 0,02 mg/l | Voda za piće-standardne metode za ispitivanje higijenske ispravnosti, Beograd 1990, Savezni zavod za zdravstvenu zaštitu, strana 179 (SMVP-179) <i>Drinking water Standard methods for hygienic testing, Belgrade 1990, the Federal Bureau for health protection, page 179 (SMVP-179)</i> | L1 |
| 35. | Površinske i podzemne vode <i>Surface and underground water</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Određivanje fluorida jonselektivnom elektrodom <i>Determination of fluorides (ISE method)</i> | L.D.: 0,02 mg/l | Voda za piće-standardne metode za ispitivanje higijenske ispravnosti, Beograd 1990, Savezni zavod za zdravstvenu zaštitu, jon selektivna elektroda, str. 326 (SMVP-326) <i>Drinking water</i> | L1 |

Datum izdavanja dodatka: 26.12.2024.

Issue date of annex: 26.12.2024.

Zamjenjuje dodatak: 04.09.2024.

Replaces Annex dated: 04.09.2024.

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|------------------------------|--|---|--|--|---|------------------------------------|
| | | | | | <i>Standard methods for hygienic testing, Belgrade 1990, the Federal Bureau for health protection, ion selective electrodes, page 326 (SMVP-326)</i> | |
| 36. | Površinske i podzemne vode <i>Surface and underground water</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Određivanje fosfata spektrofotometrijski <i>Spectrophotometric determination of phosphate</i> | L.D.: 0,01 mg/l P | Standard Methods for examination of Water and Wastewater- 19th Edition 1995, edited by Andrew D. Eaton, Lenore S. Clasceri and Arnold E. Greenberg, 4500-P D (SMWP4500PD) | L1 |
| 37. | Površinske i podzemne vode <i>Surface and underground water</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Određivanje elemenata primjenom plamene atomske apsorpcione spektrometrije (FAAS) <i>Determination of elements by flame atomic absorption spectrophotometry (FAAS)</i> | L.D.(K): 0,1 mg/l L.D. (Na): 0,1 mg/l | Standard Methods for examination of Water and Wastewater- 19th Edition 1995, edited by Andrew D. Eaton, Lenore S. Clasceri and Arnold E. Greenberg, 3500B (SMEW3500B) | L1 |
| 38. | Površinske i podzemne vode <i>Surface and underground water</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical</i> | Određivanje elemenata primjenom indukovano sprengnute plazme – | L.D.(B): 0,005 L.D.(Ca): 0,5 mg/l L.D.(Mg): 0,5 mg/l | EPA 200.7 Determination of Metals and Trace Elements in Water and | L1 |

Datum izdavanja dodatka: 26.12.2024.

Issue date of annex: 26.12.2024.

Zamjenjuje dodatak: 04.09.2024.

Replaces Annex dated: 04.09.2024.

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|------------------------------|--|---|--|---|---|------------------------------------|
| | | <i>testing</i> | optičke emisione spektrometrije (ICP-OES) <i>Determination of elements by inductively coupled plasma-optical emission spectrometry (ICP-OES)</i> | L.D.(Na): 0,1 mg/l L.D.(K): 0,1 mg/l | Wastes by Inductively Coupled Plasma-Atomic Spectrometry | |
| 39. | Površinske i podzemne vode <i>Surface and underground water</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Određivanje elemenata primjenom masene spektrometrije sa indukovano spregnutom plazmom (ICP-MS) <i>Determination of elements by mass spectrometry with inductively coupled plasma (ICP-MS)</i> | L.D.(Ag): 0,2 µg/l L.D.(Al): 10 µg/l L.D.(As): 0,2 µg/l L.D.(Ba): 2 µg/l L.D.(Be): 0,1 µg/l L.D.(Cd): 0,1 µg/l L.D.(Co): 0,1 µg/l L.D.(Cr): 0,1 µg/l L.D.(Cu): 1 µg/l L.D.(Fe): 25 µg/l L.D.(Mn): 0,2 µg/l L.D.(Ni): 0,2 µg/l L.D.(Se): 0,5 µg/l L.D.(Sn): 0,1 µg/l L.D.(Sb): 0,1 µg/l L.D.(Pb): 0,2 µg/l L.D.(Zn): 5 µg/l L.D.(Mo): 1 µg/l L.D.(V): 0,1 µg/l | MEST EN ISO 17294-2:2017 | L1 |
| 40. | Površinske i podzemne vode <i>Surface and underground</i> | Fizičko-hemijska ispitivanja <i>Physical-</i> | Određivanje žive živinim analizatorom <i>Determination of mercury by mercury</i> | L.D.: 0,0001 mg/l | Determination of Mercury in Hg Standard Solutions at the | L1 |

Datum izdavanja dodatka: 26.12.2024.

Issue date of annex: 26.12.2024.

Zamjenjuje dodatak: 04.09.2024.

Replaces Annex dated: 04.09.2024.

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|------------------------------|--|---|--|--|---|------------------------------------|
| | <i>water</i> | <i>chemical testing</i> | <i>analyzer</i> | | Lower Range Limit, Organic application note Leco AMA 254, Form no. 203-823-111, Lecocorporation, 2003. (AMA-111) | |
| 41. | Površinske i podzemne vode <i>Surface and underground water</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Određivanje silikata sa amonijum-molibdatom spektrofotometrijski <i>Spectrophotometric determination of silicates using ammonia-molybdate</i> | L.D.: 0,01 mg/l | Voda za piće-standardne metode za ispitivanje higijenske ispravnosti, Savezni zavod za zdravstvenu zaštitu, Beograd 1990, 520. (SMVP-520) <i>Drinking water Standard methods for hygienic testing, Belgrade 1990, the Federal Bureau for health protection, page 520 (SMVP-520)</i> | L1 |
| 42. | Površinske i podzemne vode <i>Surface and underground water</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Određivanje sadržaja organokalajnih jedinjenja u vodi metodom GCMS <i>Determination of organotin compounds in water by GCMS method</i> (Monobutikalaj, Dibutikalaj, Tributikalaj, Tetrabutikalaj, Monooktilkalaj, Dioktilkalaj, Trifenikalaj, | L.D.: 0,00005 mg/l | ISO 17353:2004 | L1 |

Datum izdavanja dodatka: 26.12.2024.

Issue date of annex: 26.12.2024.

Zamjenjuje dodatak: 04.09.2024.

Replaces Annex dated: 04.09.2024.

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|------------------------------|--|---|--|--|--|------------------------------------|
| | | | Tricikloheksilikalaj) | | | |
| 43. | Površinske i podzemne vode <i>Surface and underground water</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Određivanje indeksa mineralnih ulja metodom GCMS <i>Determination of hydrocarbon oil index by GCMS method</i> | (0,01–1,0) mg/l | MEST EN ISO 9377-2:2014 | L1 |
| 44. | Površinske i podzemne vode <i>Surface and underground water</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Određivanje polihlorovanih bifenila PCB-s <i>Determination of polychlorinated biphenyls (PCBs)</i> (PCB 18, PCB 28, PCB 31, PCB 44, PCB 52, PCB 101, PCB 118, PCB 138, PCB 149, PCB 153, PCB 180, PCB 194) | 1. L.D: 0,000005 mg/l 2..L.D.: 0,000005 mg/l | 1. EPA Method 8080 A - Organochlorine pesticides and polychlorinated biphenyls by gas chromatography 2. EPA Method 8270 D - Semivolatile organic compounds by gas chromatography /mass spectrometry (GC/MS) | L1 |
| 45. | Površinske i podzemne vode <i>Surface and underground water</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Određivanje policikličnih aromatskih ugljovodonika <i>Determination of polycyclic aromatic hydrocarbons</i> (Naphtalene, Acenaphtylene, Acenaphtene, Fluorene, Phenanthrene, Anthracene, Fluoranthene, Pyene, Benzo (a) anthracene, Chrysene, Benzo (b) fluoranthene, Benzo (k) fluoranthene, | L.D: 0,00001 mg/l | EPA Method 8270 D - Semivolatile organic compounds by gas chromatography /mass spectrometry (GC/MS) | L1 |

Datum izdavanja dodatka: 26.12.2024.

Issue date of annex: 26.12.2024.

Zamjenjuje dodatak: 04.09.2024.

Replaces Annex dated: 04.09.2024.

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|------------------------------|--|---|---|--|---|------------------------------------|
| | | | Benzo (a) pyrene, Indeno (1,2,3-cd) pyrene, Dibenzo (a,h) anthracene, Benzo (g,h,i) perylene | | | |
| 46. | Površinske i podzemne vode <i>Surface and underground water</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Određivanje organohlornih pesticida <i>Determination of organochlorine pesticides</i> (HCH-alpha, HCH-beta, HCH-gamma, HCB-delta, Heptachlor, Aldrin, Heptachlor epoxide (cis), Chlordane-trans (gamma), Chlordane-cis (alfa), Dieldrin, DDE-p,p', DDD-p,p', DDT-p,p', Endrin, Endosulfan-alpha, Endosulfan-beta, Endrine aldehyde, Endosulfan sulphate, Methoxychlor) | L.D.: 0,000005 mg/l | EPA Method 8080 A - Organochlorine pesticides and polychlorinated biphenyls bay gas chromatography | L1 |
| 47. | Površinske i podzemne vode <i>Surface and underground water</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Određivanje organofosfornih pesticida <i>Determination of organophosphorus pesticides</i> (Dichlorvos, Metachrifos, Fonofos, Diazinon, Chlorpyrifos-methyl, Parathion-methyl, Chlorpyrifos, Fenthion, Pirimiphos-methyl, Chlorfenvinphos, Fenamiphos, Profenofos, Ethion, Triazophos, Phosmet, | L.D.: 0,00005 mg/l | EPA Method 8141 A - Organophosphorus compounds by gas chromatography : capillary column technique | L1 |

Datum izdavanja dodatka: 26.12.2024.

Issue date of annex: 26.12.2024.

Zamjenjuje dodatak: 04.09.2024.

Replaces Annex dated: 04.09.2024.

| Red Br. <i>No.</i> | Predmet ispitivanja/ materijal/ proizvod <i>Testing item/ material/product</i> | Oblast ispitivanja <i>Field of testing</i> | Vrsta ispitivanja i/ili karakteristika koja se mjeri (tehnika ispitivanja) <i>Type of test and/or property measured (testing technique)</i> | Opseg mjerenja (gdje je primjenjivo) <i>Measuring range (where applicable)</i> | Referentni dokument <i>Reference document</i> | Lokacija <i>Location</i> |
|------------------------------|--|---|--|--|---|------------------------------------|
| | | | <i>Phosalone)</i> | | | |
| 48. | Površinske i podzemne vode <i>Surface and underground water</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Određivanje volatilnih aromatičnih komponenti <i>Determination of volatile aromatic compounds</i> | L.D.: 0,01 mg/l | EPA Method 5021 A - Volatile organic compounds in various sample matrices using equilibrium headspace analysis | L1 |
| 49. | Površinska i podzemna <i>Surface and underground water</i> | Hemijska ispitivanja <i>Chemical testing</i> | Određivanje sadržaja hlorofenola u površinskim i podzemnim vodama gasnom hromatografijom <i>Determination of chlorophenol content in surface and underground waters by gas chromatography (2-Hlorofenol 2,4-Dihlorofenol 2,6-Dihlorofenol 2,4,6-Trihlorofenol 2,4,5-Trihlorofenol 2,3,4,6-tetrahlorofenol Pentahlorofenol)</i> | LOQ 0,12µg/l | MEST EN 12673:2009 | L1 |
| 50. | Otpadne vode <i>Waste water</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | *Određivanje temperature <i>*Determination of Temperature</i> | Opseg /Range: (-30-100) °C | Voda za piće-standardne metode za ispitivanje higijenske ispravnosti, Beograd 1990, Savezni zavod za zdravstvenu zaštitu, strana 116 (SMVP-116) <i>Drinking water Standard methods for hygienic</i> | |

Datum izdavanja dodatka: 26.12.2024.

Issue date of annex: 26.12.2024.

Zamjenjuje dodatak: 04.09.2024.

Replaces Annex dated: 04.09.2024.

| Red Br. <i>No.</i> | Predmet ispitivanja/ materijal/ proizvod <i>Testing item/ material/product</i> | Oblast ispitivanja <i>Field of testing</i> | Vrsta ispitivanja i/ili karakteristika koja se mjeri (tehnika ispitivanja) <i>Type of test and/or property measured (testing technique)</i> | Opseg mjerenja (gdje je primjenjivo) <i>Measuring range (where applicable)</i> | Referentni dokument <i>Reference document</i> | Lokacija <i>Location</i> |
|------------------------------|--|--|---|--|---|------------------------------------|
| | | | | | testing, Belgrade 1990, the Federal Bureau for health protection, page 111 (SMVP-116) | |
| 51. | Voda | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Određivanje per- i polifluoroalkilnih supstanci (PFAS) u uzorcima vode metodom LCMS/MS Lista pesticida ⁴⁾ <i>Analysis of Per- and Polyfluoroalkyl Substances (PFAS) in Water samples-LC-MS/MS method</i> | LOQ (ng/l): PFBS 0,030 PFHxA 0,088 PFHpA 0,057 PFPeS 0,033 PFOA 0,058 PFHxS 0,042 PFNA 0,052 PFHpS 0,037 PFDA 0,020 PFOS 0,037 PFUnDA 0,058 PFNS 0,022 PFDoDA 0,102 PFDS 0,065 PFTrDA 0,294 PFTeDA 0,291 | CT-LC-01 | L1 |
| 52. | Površinska Voda | Hemijska ispitivanja <i>Chemical testing</i> | Određivanje organikalajnih jedinjenja u vodi metodom GC-MS/MS/ <i>Determination of selected organotin compounds in water by GC-MS/MS (Monobutikalaj, Dibutikalaj, Tributikalaj, Tetrabutikalaj, Monoooktilkalaj, Dioktilkalaj, Trifenilkalaj, Tricikloheksilikalaj)</i> | LOQ: Tributikalaj 0,00006 µg/l Monobutikalaj, Dibutikalaj, Tributikalaj, Tetrabutikalaj, Monoooktilkalaj, Dioktilkalaj, Trifenilkalaj, Tricikloheksilikalaj 0,0002 µg/l | MEST EN ISO 17353:2013- Kvalitet vode - Određivanje organskih jedinjenja kalaja - Metoda gasne hromatografije/ <i>Water quality - Determination of selected organotin compounds - Gas chromatographic method</i> | L1 |
| 53. | Površinska voda | Hemijska ispitivanja <i>Chemical testing</i> | Određivanje alkilfenola u vodi metodom gasne hromatografije/ | LOQ: 4-n-tert-octylphenol 4-n-octylphenol | CT-GC-01 | L1 |

Datum izdavanja dodatka: 26.12.2024.

Issue date of annex: 26.12.2024.

Zamjenjuje dodatak: 04.09.2024.

Replaces Annex dated: 04.09.2024.

| Red Br. <i>No.</i> | Predmet ispitivanja/ materijal/ proizvod <i>Testing item/ material/product</i> | Oblast ispitivanja <i>Field of testing</i> | Vrsta ispitivanja i/ili karakteristika koja se mjeri (tehnika ispitivanja) <i>Type of test and/or property measured (testing technique)</i> | Opseg mjerenja (gdje je primjenjivo) <i>Measuring range (where applicable)</i> | Referentni dokument <i>Reference document</i> | Lokacija <i>Location</i> |
|------------------------------|--|---|---|--|--|------------------------------------|
| | | | <i>Determination of alkylphenols in water by gas chromatography (4-n-tert-octylphenol 4-nonylphenol branched 4-n-octylphenol 4-n-nonylphenol)</i> | <i>4-n-nonylphenol 0,02µg/l 4-nonylphenol branched 0,04µg/l</i> | | |
| 54. | Otpadne vode <i>Waste water</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | **Određivanje pH <i>**Determination of pH</i> | Opseg/Range: 0–14 | MEST EN ISO 10523:2013 | L1 |
| 55. | Otpadne vode <i>Waste water</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | **Određivanje električne provodljivosti <i>**Determination of electrical conductivity</i> | L.D.: 0,1 µS/cm | MEST EN 27888:2009 | L1 |
| 56. | Otpadne vode <i>Waste water</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Određivanje alkaliteta volumetrijski <i>Determination of alkalinity by volumetric titration</i> | L.D.: 5 mg CaCO ₃ /l ili/or 1 ml 0,1 N HCl/l | MEST EN ISO 9963-2:2009 | L1 |
| 57. | Otpadne vode <i>Waste water</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Određivanje nitrita spektrofotometrijski <i>Spectrophotometric determination of nitrite</i> | L.D.: 0,001 mg/l | Standard Methods for examination of Water and Wastewater- 19th Edition 1995, edited by Andrew D. Eaton, Lenore S. Clasceri and Arnold E. Greenberg, ^{4500-NO₂B}, Colorimetric method (SMEW4500NO | L1 |

Datum izdavanja dodatka: 26.12.2024.

Issue date of annex: 26.12.2024.

Zamjenjuje dodatak: 04.09.2024.

Replaces Annex dated: 04.09.2024.

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|------------------------------|--|---|---|--|---|------------------------------------|
| | | | | | 2B) | |
| 58. | Otpadne vode <i>Waste water</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Određivanje nitrata spektrofotometrijski <i>Spectrophotometric determination of nitrate</i> | L.D.: 0,04 mg/l | Standard Methods for examination of Water and Wastewater- 19th Edition 1995, edited by Andrew D. Eaton, Lenore S. Clasceri and Arnold E. Greenberg, 4500NO₃-B (SMEW4500NO 3B) | L1 |
| 59. | Otpadne vode <i>Waste water</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Određivanje amonijaka spektrofotometrijski <i>Spectrophotometric determination of ammonia</i> | L.D.: 0,02 mg/l | Voda za piće-standardne metode za ispitivanje higijenske ispravnosti, Beograd 1990, Savezni zavod za zdravstvenu zaštitu, strana 179 (SMVP-179) <i>Drinking water Standard methods for hygienic testing, Belgrade 1990, the Federal Bureau for health protection, page 179 (SMVP-179)</i> | L1 |
| 60. | Otpadne vode <i>Waste water</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Određivanje azota po Kjeldahl-u <i>Determination of Kjeldahl nitrogen</i> | L.D.: 3 mg/l | Handbook for Kjeldahl digestion – a recent review of the classical method with improvements, | L1 |

Datum izdavanja dodatka: 26.12.2024.

Issue date of annex: 26.12.2024.

Zamjenjuje dodatak: 04.09.2024.

Replaces Annex dated: 04.09.2024.

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|------------------------------|--|---|---|--|---|------------------------------------|
| | | | | | Developed by Tecator, 2nd edition, May 2006. (HKD-1) | |
| 61. | Otpadne vode <i>Waste water</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Određivanje fenola spektrofotometrijski <i>Spectrophotometric determination of phenols</i> | L.D.: 0,0005 mg/l | Voda za piće-standardne metode za ispitivanje higijenske ispravnosti, Beograd 1990, Savezni zavod za zdravstvenu zaštitu, strana 299 (SMVP-299) Drinking water Standard methods for hygienic testing, Belgrade 1990, the Federal Bureau for health protection, page 299 (SMVP-299) | L1 |
| 62. | Otpadne vode <i>Waste water</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Određivanje fluorida jonelektivnom elektrodom <i>Determination of fluorides (ISE method)</i> | L.D.: 0,02 mg/l | Voda za piće-standardne metode za ispitivanje higijenske ispravnosti, Beograd 1990, Savezni zavod za zdravstvenu zaštitu, str. 326 (SMVP-326) Drinking water Standard methods for hygienic testing, Belgrade 1990, the Federal Bureau for health | L1 |

Datum izdavanja dodatka: 26.12.2024.

Issue date of annex: 26.12.2024.

Zamjenjuje dodatak: 04.09.2024.

Replaces Annex dated: 04.09.2024.

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|------------------------------|--|---|---|---|---|------------------------------------|
| | | | | | <i>protection (SMVP-326)</i> | |
| 63. | Otpadne vode <i>Waste water</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Određivanje fosfata spektrofotometrijski Spectrophotometric determination of phosphate | L.D.: 0,01 mg/l P | Standard Methods for examination of Water and Wastewater-19th Edition 1995, edited by Andrew D. Eaton, Lenore S. Clasceri and Arnold E. Greenberg, 4500-P D (SMEW4500PD) | L1 |
| 64. | Otpadne vode <i>Waste water</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Određivanje elemenata primjenom masene spektrometrije sa indukovanom spregnutom plazmom (ICP-MS) <i>Determination of elements by mass spectrometry with inductively coupled plasma (ICP-MS)</i> | L.D.(Ag): 0,002mg/l L.D.(Al): 0,1 mg/l L.D.(As): 0,002mg/l L.D.(Ba): 0,005 mg/l L.D.(Be): 0,001 mg/l L.D.(Cd): 0,001 mg/l L.D.(Co): 0,002 mg/l L.D.(Cr): 0,002 mg/l L.D.(Cu): 0,02 mg/l L.D.(Fe): 0,25 mg/l L.D.(Mn): 0,004 mg/l L.D.(Mo): 0,02 mg/l L.D.(Ni): 0,004 mg/l L.D.(Pb): 0,002 mg/l | MEST EN ISO 17294-2:2017 | L1 |

Datum izdavanja dodatka: 26.12.2024.

Issue date of annex: 26.12.2024.

Zamjenjuje dodatak: 04.09.2024.

Replaces Annex dated: 04.09.2024.

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|------------------------------|--|---|--|---|---|------------------------------------|
| | | | | L.D.(Se): 0,01 mg/l L.D.(Sb): 0,002 mg/l L.D.(Sn): 0,002 mg/l L.D.(V): 0,001 mg/l L.D.(Zn): 0,02 mg/l | | |
| 65. | Otpadne vode <i>Waste water</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Određivanje bora primjenom indukovanog spregnute plazme – optičke emisijske spektrometrije (ICP-OES) <i>Determination of boron by inductively coupled plasma-optical emission spectrometry (ICP-OES)</i> | L.D.(B): 0,01 mg/l | EPA 200.7 Determination of Metals and Trace Elements in Water and Wastes by Inductively Coupled Plasma-Atomic Spectrometry | L1 |
| 66. | Otpadne vode <i>Waste water</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Određivanje žive živinim analizatorom <i>Determination of mercury by mercury analyzer</i> | L.D.: 0,001 mg/l | Determination of Mercury in Hg Standard Solutions at the Lower Range Limit, Organic application note Leco AMA 254, Form No. 203-823-111, Leco corporation, 2003. (AMA-111) | L1 |
| 67. | Otpadne vode <i>Waste water</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Određivanje hemijske potrošnje kiseonika – HPK <i>Determination of chemical oxygen demand-COD</i> | L.D.:30 mg/l | MEST ISO 6060:2011 | L1 |
| 68. | Otpadne vode | Fizičko- | Određivanje | 1. L.D.: | 1. EPA Method | L1 |

Datum izdavanja dodatka: 26.12.2024.

Issue date of annex: 26.12.2024.

Zamjenjuje dodatak: 04.09.2024.

Replaces Annex dated: 04.09.2024.

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|------------------------------|--|---|--|--|---|------------------------------------|
| | <i>Waste water</i> | hemijska ispitivanja <i>Physical-chemical testing</i> | polihlorovanih bifenila PCB-s <i>Determination of polychlorinated biphenyls</i> (PCB 18, PCB 28, PCB 31, PCB 44, PCB 52, PCB 101, PCB 118, PCB 138, PCB 149, PCB 153, PCB 180, PCB 194) | 0,000025 mg/l 2. L.D.: 0,00005 mg/l | 8080 A - Oragnochlorine pesticides and polychlorinated biphenyls bay gas chromatography 2. EPA Method 8270 D - Semivolatile organic compounds by gas chromatography /mass spectrometry (GC/MS) | |
| 69. | Otpadne vode <i>Waste water</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Određivanje policikličnih aromatskih ugljovodonika <i>Determination of polycyclic aromatic hydrocarbons</i> (Naphtalene, Acenaphtylene, Acenaphtene, Fluorene, Phenanthrene, Anthracene, Fluoranthene, Pyene, Benzo (a) anthracene, Chrysene, Benzo (b) fluoranthene, Benzo (k) fluoranthene, Benzo (a) pyrene, Indeno (1,2,3-cd) pyrene, Dibenzo (a,h) anthracene, Benzo (g,h,i) perylene) | L.D.: 0,0001 mg/l | EPA Method 8270 D - Semivolatile organic compounds by gas chromatography /mass spectrometry (GC/MS) | L1 |
| 70. | Otpadne vode <i>Waste water</i> | Fizičko-hemijska ispitivanja <i>Physical-</i> | Određivanje organohlornih pesticida <i>Determination of</i> | L.D.: 0,00005 mg/l | EPA Method 8080 A - Oragnochlorine pesticides and | L1 |

Datum izdavanja dodatka: 26.12.2024.

Issue date of annex: 26.12.2024.

Zamjenjuje dodatak: 04.09.2024.

Replaces Annex dated: 04.09.2024.

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|------------------------------|--|---|---|--|--|------------------------------------|
| | | <i>chemical testing</i> | <i>organochlorine pesticides (HCH-alpha, HCH-beta, HCH-gamma, HCB-delta, Heptachlor, Aldrin, Heptachlor epoxide (cis), Chlordane-trans (gamma), Chlordane-cis (alfa), Dieldrin, DDE-p,p', DDD-p,p', DDT-p,p', Endrin, Endosulfan-alpha, Endosulfan-beta, Endrine aldehyde, Endosulfan sulphate, Methoxychlor)</i> | | polychlorinated biphenyls bay gas chromatography | |
| 71. | Otpadne vode <i>Waste water</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Određivanje organofosfornih pesticida <i>Determination of organophosphorus pesticides (Dichlorvos, Metachrifos, Fonofos, Diazinon, Chlorpyrifos-methyl, Parathion-methyl, Chlorpyrifos, Fenthion, Pirimiphos-methyl, Chlorfenvinphos, Fenamiphos, Profenofos, Ethion, Triazophos, Phosmet, Phosalone)</i> | L.D.: 0,0001 mg/l | EPA Method 8141 A - Organophosphorus compounds by gas chromatography : capillary column technique | L1 |
| 72. | Otpadne vode <i>Waste water</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Određivanje fluorida, hlorida, nitrata, nitrita, fosfata i sulfata primjenom jonske hromatografije <i>Determination of fluorides, chlorides,</i> | L.D.(F ⁻): 0,1 mg/l L.D. (Cl ⁻): 1 mg/l L.D (NO ₂ ⁻): 0,01 mg/l L.D. (NO ₃ ⁻): 1 mg/l | MEST EN ISO 10304-1:2012 | L1 |

Datum izdavanja dodatka: 26.12.2024.

Issue date of annex: 26.12.2024.

Zamjenjuje dodatak: 04.09.2024.

Replaces Annex dated: 04.09.2024.

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|------------------------------|--|---|--|---|---|------------------------------------|
| | | | <i>nitrates, nitrites, phosphates and sulphates by ion chromatography</i> | L.D. (PO ₄ ³⁻): 0,01 mg/l L.D. (SO ₄ ²⁻): 1 mg/l | | |
| 73. | Otpadne vode <i>Waste water</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Određivanje indeksa mineralnih ulja metodom GCMS <i>Determination of hydrocarbon oil index by GCMS method</i> | L.D. 0,2 mg/l | MEST EN ISO 9377-2:2014 | L1 |
| 74. | Morska voda <i>Sea water</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Određivanje elemenata primjenom masene spektrometrije sa indukovano spregnutom plazmom (ICP-MS) <i>Determination of elements by mass spectrometry with inductively coupled plasma (ICP-MS)</i> | L.D.(Ag): 0,2 µg/l L.D.(Al): 10 µg/l L.D.(As): 0,2 µg/l L.D.(Ba): 2 µg/l L.D.(Be): 0,1 µg/l L.D.(Cd): 0,1 µg/l L.D.(Co): 0,1 µg/l L.D.(Cr): 0,1 µg/l L.D.(Cu): 1 µg/l L.D.(Fe): 25 µg/l L.D.(Mn): 0,2 µg/l L.D.(Ni): 0,2 µg/l L.D.(Se): 0,5 µg/l L.D.(Sn): 0,1 µg/l L.D.(Sb): 0,1 µg/l L.D.(Pb): 0,2 µg/l L.D.(Zn): 5 µg/l L.D.(Mo): 1 µg/l L.D.(V): 0,1 µg/l | MEST EN ISO 17294-2:2017 | L1 |

Datum izdavanja dodatka: 26.12.2024.

Issue date of annex: 26.12.2024.

Zamjenjuje dodatak: 04.09.2024.

Replaces Annex dated: 04.09.2024.

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|------------------------------|--|---|---|--|---|------------------------------------|
| 75. | Morska voda <i>Sea water</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Određivanje bora primjenom indukovano spregnute plazme – optičke emisione spektrometrije (ICP-OES) <i>Determination of boron by inductively coupled plasma-optical emission spectrometry (ICP-OES)</i> | L.D.(B): 0,01 mg/l | EPA 200.7 Determination of Metals and Trace Elements in Water and Wastes by Inductively Coupled Plasma-Atomic Spectrometry | L1 |
| 76. | Morska voda <i>Sea water</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Određivanje sadržaja organokalajnih jedinjenja u vodi metodom GCMS <i>Determination of organotin compounds in water by GCMS method (Monobutikalaj, Dibutikalaj, Tributikalaj, Tetrabutikalaj, Monootikalaj, Diotikalaj, Trifenikalaj, Tricikloheksikalaj)</i> | L.D.: 0,00005 mg/l | ISO 17353:2004 | L1 |
| 77. | Morska voda <i>Sea water</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Određivanje indeksa mineralnih ulja metodom GCMS <i>Determination of hydrocarbon oil index by GCMS method</i> | L.D.: (0,01–1,0) mg/l | MEST EN ISO 9377-2:2014 | L1 |
| 78. | Morska voda <i>Sea water</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Određivanje polihlorovanih bifenila PCB-s <i>Determination of polychlorinated biphenyls PCBs (PCB 18, PCB 28, PCB 31, PCB 44,</i> | 1. L.D.: 0,000005 mg/l 2. L.D.: 0,000005 mg/l | 1. EPA Method 8080 A- Oragnochlorine pesticides and polychlorinated biphenyls bay gas chromatography | L1 |

Datum izdavanja dodatka: 26.12.2024.

Issue date of annex: 26.12.2024.

Zamjenjuje dodatak: 04.09.2024.

Replaces Annex dated: 04.09.2024.

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|------------------------------|--|---|--|--|--|------------------------------------|
| | | | PCB 52, PCB 101, PCB 118, PCB 138, PCB 149, PCB 153, PCB 180, PCB 194) | | 2. EPA Method 8270 D- Semivolatile organic compounds by gas chromatography/ mass spectrometry (GC/MS) | |
| 79. | Morska voda <i>Sea water</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Određivanje policikličnih aromatskih ugljovodonika <i>Determination of polycyclic aromatic hydrocarbons (Naphtalene, Acenaphthylene, Acenaphthene, Fluorene, Phenanthrene, Anthracene, Fluoranthene, Pyrene, Benzo (a) anthracene, Chrysene, Benzo (b) fluoranthene, Benzo (k) fluoranthene, Benzo (a) pyrene, Indeno (1,2,3-cd) pyrene, Dibenzo (a,h) anthracene, Benzo (g,h,i) perylene)</i> | L.D.: 0,00001 mg/l | EPA Method 8270 D - Semivolatile organic compounds by gas chromatography/ mass spectrometry (GC/MS) | L1 |
| 80. | Morska voda <i>Sea water</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Određivanje organohlorinih pesticida <i>Determination of organochlorine pesticides (HCH-alpha, HCH-beta, HCH-gamma, HCB-delta, Heptachlor, Aldrin, Heptachlor epoxide</i> | L.D.: 0,000005 mg/l | EPA Method 8080 A - Organochlorine pesticides and polychlorinated biphenyls by gas chromatography | L1 |

Datum izdavanja dodatka: 26.12.2024.

Issue date of annex: 26.12.2024.

Zamjenjuje dodatak: 04.09.2024.

Replaces Annex dated: 04.09.2024.

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|------------------------------|--|---|---|--|---|------------------------------------|
| | | | <i>(cis), Chlordane-trans (gamma), Chlordane-cis (alfa), Dieldrin, DDE-p,p', DDD-p,p', DDT-p,p', Endrin, Endosulfan-alpha, Endosulfan-beta, Endrine aldehyde, Endosulfan sulphate, Methoxychlor)</i> | | | |
| 81. | Morska voda <i>Sea water</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Određivanje organofosfornih pesticida <i>Determination of organophosphorus pesticides (Dichlorvos, Metachrifos, Fonofos, Diazinon, Chlorpyrifos-methyl, Parathion-methyl, Chlorpyrifos, Fenthion, Pirimiphos-methyl, Chlorfenvinphos, Fenamiphos, Profenofos, Ethion, Triazophos, Phosmet, Phosalone)</i> | L.D.: 0,00005 mg/l | EPA Method 8141 A- Organophosphorus compounds by gas chromatography : capillary column technique | L1 |
| 82. | Ribe, rakovi i proizvodi od riba <i>Fish, crabs and fish products</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Određivanje žive živinim analizatorom <i>Determination of mercury by mercury analyzer</i> | L.D.: 0,01 mg/kg | Determination of mercury in animal tissue: Organic application note Leco AMA 254, Form N0 203-823-114, Leco corporation,1999 (AMA-114) | L1 |
| 83. | Ribe, rakovi i proizvodi od riba <i>Fish, crabs and fish products</i> | Fizičko-hemijska ispitivanja <i>Physical-</i> | Određivanje histamina u morskim proizvodima HPLC metodom | LOQ ≥ 25 mg/kg | Official Methods of Analysis of AOAC International | L1 |

Datum izdavanja dodatka: 26.12.2024.

Issue date of annex: 26.12.2024.

Zamjenjuje dodatak: 04.09.2024.

Replaces Annex dated: 04.09.2024.

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|------------------------------|--|---|---|--|--|------------------------------------|
| | | <i>chemical testing</i> | <i>Determination of histamines in sea products by HPLC method</i> | | 16th Edition, 3rd Revision, 1997, AOAC Methods: 977.13 | |
| 84. | Ribe, rakovi i proizvodi od riba <i>Fish, crabs and fish products</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Određivanje organohlorinih pesticida i PCB-a u ribama GC metodom <i>Determination of organochlorine pesticides and PCBs in fish using GC method</i> (HCH-alpha, HCH-beta, HCH-gamma, HCB-delta, Heptachlor, Aldrin, Heptachlor epoxide (cis), Chlordane-trans (gamma), Chlordane-cis (alfa), Dieldrin, DDE-p,p', DDD-p,p', DDT-p,p', Endrin, Endosulfan-alpha, Endosulfan-beta, Methoxychlor, PCB 18, PCB 28, PCB 31, PCB 44, PCB 52, PCB 101, PCB 118, PCB 138, PCB 149, PCB 153, PCB 180, PCB 194) | LOQ organohlorini pesticidi: 0,25µg/kg PCB: 0,5µg/kg | Official Methods of Analysis of AOAC International 16th Edition, 3rd Revision, 1997, AOAC Methods: 983.21 | L1 |
| 85. | Ribe, rakovi i proizvodi od riba <i>Fish, crabs and fish products</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Određivanje PAH-ova u školjkama metodom GCMS <i>Determination of PAHs in shellfish by GCMS method</i> (Benzo (a) anthracene, Chrysene, Benzo(b)fluoranthene, Benzo (a)pyrene) | LOQ: 0,9µg/kg | 1. Određivanje PAH-ova u školjkama metodom GCMS- in-house metod <i>Determination of PAHs in shellfish using GCMS – in-house method</i> 2. Commission Regulation (EC) | L1 |

Datum izdavanja dodatka: 26.12.2024.

Issue date of annex: 26.12.2024.

Zamjenjuje dodatak: 04.09.2024.

Replaces Annex dated: 04.09.2024.

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|------------------------------|--|---|---|--|---|------------------------------------|
| | | | | | No 333/2007 of 28 March 20073. 2002/657/EC: Commission Decision of 12 August 2002 4. Commission Regulation (EU) No 836/2011 of 19 August 2011 (Quechers-PAH) | |
| 86. | Ribe, rakovi i proizvodi od riba <i>Fish, crabs and fish products</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Određivanje biotoksina koji uzrokuju paralizu (PSP) u tkivu školjkaša HPLC-FLD metodom (neosaksitoksin goniautoksin-1&4 saksitoksin dekarbamolsaksitoksin goniautoksin-2&3 dekarbamoilgoniautoksin 2&3 goniautoksin-5(B1)) <i>Determination of Paralytic Shellfish Poisoning Toxins in Shellfish by HPLC-FLD method (STX-saxitoxin NEO-neosaxitoxin GTX 2&3, gonyautoxins 2&3 dcGTX 2,3-decarbamoylgonyautoxins 2 and 3 GTX 1&4-gonyautoxins 1&4 dcSTX-decarbamoylsaxitoxin</i> | Opseg: STX (1,0-11) µg/kg GTX1&4 (3,0-665) µg/kg NEO (31-616) µg/kg GTX2&3 (0,9-9) µg/kg GTX5 (1,5-16) µg/kg dcGTX 2,3 (1,5-15) µg/kg dcSTX (0,9-10) µg/kg STX ≥1 µg/kg GTX1&4 ≥3 µg/kg NEO ≥31 µg/kg GTX2&3 ≥1 µg/kg GTX5 ≥2 µg/kg dcGTX 2,3 ≥2 µg/kg dcSTX ≥1 µg/kg | 1. AOAC official method 2005.06 Paralytic Shellfish Poisoning Toxins in Shellfish (Prechromatographic Oxidation and Liquid Chromatography with Fluorescence Detection First Action 2005) 2. 2002/657/EC: Commission Decision of 12 August 2002 | L1 |

Datum izdavanja dodatka: 26.12.2024.

Issue date of annex: 26.12.2024.

Zamjenjuje dodatak: 04.09.2024.

Replaces Annex dated: 04.09.2024.

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|------------------------------|--|---|--|---|---|------------------------------------|
| | | | <i>GTX5 (B-1)-gonyautoxin 5</i> | | | |
| 87. | Ribe, rakovi i proizvodi od riba <i>Fish, crabs and fish products</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Određivanje sadržaja lipofilnih biotoksina (DSP) u tkivu školjkaša LCMSMS metodom (OA, DTX1, DTX2, PTX1, PTX2, AZA1, AZA3, YTX, homo YTX, 45 OH YTX and 45 OH homo YTX) <i>Determination of lipophilic marine biotoxins in molluscs by LCMS/MS (OA, DTX1, DTX2, PTX1, PTX2, AZA1, AZA3, YTX, homo YTX, 45 OH YTX and 45 OH homo YTX)</i> | Azspiracidi AZA grupa: (12-400) µg/kg Azaspiracid-1 ≥ 10 [µg/kg] Azaspiracid-3 ≥ 3 [µg/kg] Okadainska kiselina i dinofizistoksini OA grupa: (25-800) µg/kg OA ≥ 7 [µg/kg] DTX1 ≥ 42 [µg/kg] DTX2 ≥ 132 [µg/kg] PTX2 ≥ 9 [µg/kg] Jesotoksini YTX grupa: (150-4000) µg/kg YTX ≥ 0,045 [mg/kg] Homo YTX ≥ 0,050 [mg/kg] 45-OH-YTX ≥ 0,045 [mg/kg] 45-OH-homo YTX ≥ 0,050 [mg/kg] | 1. EU-Harmonised Standard Operating Procedure for determination of lipophilic marine biotoxins in molluscs by LCMS/MS 2. 2002/657/EC: Commission Decision of 12 August 2002 (EURLMB Lipophilic biotoxins-LCMSMS) | L1 |
| 88. | Ribe, rakovi i proizvodi od riba <i>Fish, crabs and fish products</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Određivanje sadržaja domoične kiseline (Amnesic shellfish poison-ASP) u tkivu školjkaša HPLC/UV metodom <i>Determination of</i> | Domoična kiselina (0,4-32) mg/kg Domoična kiselina LOQ ≥ 0,4 [mg/kg] | 1. EU-Harmonised Standard Operating Procedure for determination of domoic acid in | L1 |

Datum izdavanja dodatka: 26.12.2024.

Issue date of annex: 26.12.2024.

Zamjenjuje dodatak: 04.09.2024.

Replaces Annex dated: 04.09.2024.

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|------------------------------|--|---|--|---|--|------------------------------------|
| | | | <i>domoic acid (Amnesic shellfish poison-ASP) in shellfish by HPLC/UV method</i> | | shellfish and finfish by RP-HPLC using UV detection 2. 2002/657/EC: Commission Decision of 12 August 2002(EURLMB Domoic acid-HPLC/UV) | |
| 89. | Hrana životinjskog porijekla (jaja, meso, riba, mast) <i>Food of animal origin (eggs, meat, fish, fat)</i> | Hemijska ispitivanja <i>Chemical testing</i> | Određivanje rezidua pesticida u hrani životinjskog porijekla primjenom tehnike GC-MS/MS <u>Lista pesticida</u>³⁾ <i>Determination of pesticide residues in food of animal origin using the GC-MS/MS technique</i> | LOQ 5-10 µg/kg | AOAC 2007.01 Pesticide Residues in Foods by Acetonitrile Extraction and Partitioning with Magnesium Sulfate - modifikovana | L1 |
| 90. | Mlijeko i mliječni proizvodi <i>Milk and dairy products</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Određivanje masti u mlijeku i mliječnim proizvodima metodom po Gerber-u <i>Determination of fat in milk and dairy product – Gerber’s method</i> | Mlijeko/Milk L.D.: 0,1% Kiselo mlijeko i jogurt/Buttermilk and yoghurt L.D.: 0,1% Mlijeko u prahu/Powder milk L.D.: 0,1% Pavlaka/Sour cream L.D. 0,5% Sir / Cheese L.D.: 0,5% Kajmak/Home made cream L.D.: 0,5% Kefir / Kefir L.D.: 0,1% Sladoled / Ice | Pravilnik o metodama uzimanja uzoraka i metodama hemijskih i fizičkih analiza mleka i proizvoda od mleka (Sl. list SFRJ, br. 32/83) – VII Metode hemijskih i fizičkih analiza mleka i proizvoda od mleka <i>Rulebook on sampling methods and methods of chemical and</i> | L1 |

Datum izdavanja dodatka: 26.12.2024.

Issue date of annex: 26.12.2024.

Zamjenjuje dodatak: 04.09.2024.

Replaces Annex dated: 04.09.2024.

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|------------------------------|--|--|---|--|--|------------------------------------|
| | | | | cream L.D.: 0,1% | <p><i>physical analysis of milk and dairy products (Official Gazette of SFRY, No. 32/83) - VII Methods of chemical and physical analysis of milk and dairy products</i></p> <p>I Mleko - 3. Određivanje masti u mleku (SL32/83-I/3) <i>I milk - 3 Determination of fat in milk (SL32/83-I/3)</i></p> <p>II Kiselo mleko i jogurt – 1. Određivanje masti u kiselom mleku i jogurtu (SL32/83-II/1)</p> <p>II Buttermilk and yogurt - 1 Determination of fat in butter milk and yogurt (SL32/83-II/1)</p> <p>IV Mleko u prahu – 2. Određivanje masti u mleku u prahu (SL32/83-IV/2)</p> <p>IV Powder milk - 2 Determination of fat content in milk powder (SL32/83-IV/2)</p> <p>V – Pavlaka – 1. Određivanje masti u pavlaci butirometrom za</p> | |

Datum izdavanja dodatka: 26.12.2024.

Issue date of annex: 26.12.2024.

Zamjenjuje dodatak: 04.09.2024.

Replaces Annex dated: 04.09.2024.

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|----------------|---|---------------------------|---|---|---|-----------------|
| <i>No.</i> | <i>Testing item/ material/product</i> | <i>Field of testing</i> | <i>Type of test and/or property measured (testing technique)</i> | <i>Measuring range (where applicable)</i> | <i>Reference document</i> | <i>Location</i> |
| | | | | | pavlaku (SL32/83-V/1) V - Sour cream - 1 Determination of fat in the cream by the cream butirometer (SL32/83-V/1) VI - Sir - 2. Određivanje masti u siru butirometrom za sir (SL32/83-VI/2) VI - Cheese - 2 Determination of fat in cheese by butirometer for cheese (SL32/83-VI/2) VII - Kajmak - 1. 1. Određivanje masti u kajmaku (SL32/83-VII/1) VII - Cream - 1 Determination of fat in home made cream (SL32/83-VII/1) IX - Kefir - 1. Određivanje masti u kefiru (SL32/83-IX/1) IX - Kefir - 1 Determination of fat content in kefir (SL32/83-IX/1) X - Sladoled -1. Određivanje masti u sladoledu (SL32/83-X/1) X - Ice cream -1. Determination of fat in ice cream | |

Datum izdavanja dodatka: 26.12.2024.

Issue date of annex: 26.12.2024.

Zamjenjuje dodatak: 04.09.2024.

Replaces Annex dated: 04.09.2024.

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|------------------------------|--|---|--|--|--|------------------------------------|
| | | | | | (SL32/83-X/1) | |
| 91. | Mlijeko i mliječni proizvodi <i>Milk and dairy products</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Određivanje suve materije u mlijeku i mliječnim proizvodima - gravimetrijska metoda <i>Determination of dry matter in milk and dairy products – gravimetric method</i> | Mlijeko/ <i>Milk</i> L.D.: 0,01% Kiselo mlijeko i jogurt/ <i>Buttermilk and yoghurt</i> L.D. 0,01% Kefir/ <i>Kefir</i> L.D. 0,01% Sladole / <i>Ice cream</i> L.D. 0,01% | Pravilnik o metodama uzimanja uzoraka i metodama hemijskih i fizičkih analiza mleka i proizvoda od mleka (Sl. list SFRJ, br. 32/83) – VII Metode hemijskih i fizičkih analiza mleka i proizvoda od mleka <i>Rulebook on sampling methods and methods of chemical and physical analysis of milk and dairy products (Official Gazette of SFRY, No. 32/83) - VII Methods of chemical and physical analysis of milk and dairy products</i> I Mleko - 4. Određivanje suve materije u mleku (SL32/83-I/4) <i>I Milk – 4 Determination of dry matter in milk (SL32/83-I/4)</i> II Kiselo mleko i jogurt – 3. | L1 |

Datum izdavanja dodatka: 26.12.2024.

Issue date of annex: 26.12.2024.

Zamjenjuje dodatak: 04.09.2024.

Replaces Annex dated: 04.09.2024.

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|------------------------------|--|---|---|--|---|------------------------------------|
| | | | | | <p><i>Određivanje suve materije u kiselom mleku i jogurtu (SL32/83-II/3)</i> <i>II Buttermilk and yogurt - 3</i> <i>Determination of dry matter in buttermilk and yogurt (SL32/83-II/3)</i> <i>IX – Kefir – 3.</i> <i>Određivanje suve materije u kefiru (SL32/83-IX/3)</i> <i>IX - Kefir - 3</i> <i>Determination of dry matter of kefir (SL32/83-IX/3)</i> <i>X – Sladoled – 2.</i> <i>Određivanje suve materije u sladoledu (SL32/83-X/2)</i> <i>X - Ice cream - 2</i> <i>Determination of dry matter in ice cream (SL32/83-X/2)</i></p> | |
| 92. | Mlijeko i mliječni proizvodi <i>Milk and dairy products</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Određivanje vode u mliječnim proizvodima - gravimetrijska metoda <i>Determination of water in milk products – gravimetric method</i> | Mlijeko u prahu / Powder milk L.D.: 0,01% Sir / Cheese L.D.: 0,01% Kajmak / Home made cream L.D.: 0,01% | Pravilnik o metodama uzimanja uzoraka i metodama hemijskih i fizičkih analiza mleka i proizvoda od mleka (Sl. list SFRJ, br. 32/83) – VII Metode hemijskih i fizičkih analiza mleka i | L1 |

Datum izdavanja dodatka: 26.12.2024.

Issue date of annex: 26.12.2024.

Zamjenjuje dodatak: 04.09.2024.

Replaces Annex dated: 04.09.2024.

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|------------------------------|--|--|---|--|--|------------------------------------|
| | | | | | <p>proizvoda od mleka <i>Rulebook on sampling methods and methods of chemical and physical analysis of milk and dairy products (Official Gazette. 32/83) - VII Methods of chemical and physical analysis of milk and dairy products</i></p> <p>IV Mleko u prahu – 1. Određivanje vode u mleku u prahu (SL32/83-IV/1) <i>IV Milk powder - 1 Determination of water in milk powder (SL32/83-IV/1) VI – Sir – 1. Određivanje vode u siru metodom sušenja (SL32/83-VI/1)</i></p> <p>VI - Cheese - 1 Determination of water in the cheese using drying method (SL32/83-VI/1)</p> <p>VII – Kajmak – 1. Određivanje vode u kajmaku (SL32/83-VII/1) <i>VII - Cream - 1 Determination of water in cream (SL32/83-VII/1)</i></p> | |

Datum izdavanja dodatka: 26.12.2024.

Issue date of annex: 26.12.2024.

Zamjenjuje dodatak: 04.09.2024.

Replaces Annex dated: 04.09.2024.

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|------------------------------|--|---|--|--|---|------------------------------------|
| 93. | Mlijeko i mliječni proizvodi <i>Milk and dairy products</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Određivanje beta laktama u mlijeku metodom LCMS/MS (amoksicilin, penicilin G i oksacilin) <i>Determination of β-lactam in milk by LCMS/MS method (amoxycillin, penicillin G, oxacillin)</i> | LOQ \geq 2,5 μ g/kg | Prevalence of molecules of β-lactam antibiotics in bovine milk in Lombardia and Emilia Romagna (Italy), Ghidini S., Zanardi E., Varisco G., Chizzolini R., Ann. Fac. Medic. Vet. di Parma (Vol. XXII, 2002) - pg. 245 - pg. 252, modifikovana (LCMS-7) | |
| 94. | Mlijeko i mliječni proizvodi <i>Milk and dairy products</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Određivanje antihelmintika u mlijeku metodom HPLC (abamektin, doramektin, ivermektin) <i>Determination of antihelmintics in milk by HPLC method (abamectin, doramectin, ivermectin)</i> | LOQ \geq 4 μ g/kg | Validation and robustness testing of a HPLC method for the determination of avermectins and moxidectin in animal liver samples using an alumina column clean-up-The Analyst-full paper, Martin Danaher, Michael O'Keeffe and Jeremy D. Glennon, modifikovana (HPLC-ANALYST 03) | L1 |
| 95. | Mlijeko i mliječni proizvodi <i>Milk and dairy</i> | Fizičko-hemijska ispitivanja <i>Physical-</i> | Određivanje hinolona u mlijeku metodom HPLC (enrofloksacin, | LOQ \geq 20 μ g/kg | (Validation of a multi-quinolone, multi-matrix, multi-species | L1 |

Datum izdavanja dodatka: 26.12.2024.

Issue date of annex: 26.12.2024.

Zamjenjuje dodatak: 04.09.2024.

Replaces Annex dated: 04.09.2024.

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|------------------------------|--|---|---|--|--|------------------------------------|
| | <i>products</i> | <i>chemical testing</i> | ciprofloksacin i danofloksacin <i>Determination of quinolones in milk by HPLC (enrofloxacin, ciprofloxacin, danofloxacin)</i> | | method for determination of quinolone residues by HPLC with fluorescence detection) poster 127 Euroresidues V, Noodwijkerhout, The Netherlands, May 10-12. 2004 E. Verdon, P. Couedor, P.Sanders, AFSSA-LERMVD, French Agency for Food Safety, modifikovana (HPLC Poster 127) | |
| 96. | Mlijeko i mliječni proizvodi <i>Milk and dairy products</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Određivanje sadržaja makrolida u mlijeku metodom LCMS/MS (eritromicin, tilozin i tilmikozin) <i>Determination of macrolides in milk by LCMS/MS method (erythromycin, tylosin, tilmicosin)</i> | Eritromicin: LOQ ≥ 20 µg/kg Tilmikozin: LOQ ≥ 20 µg/kg Tilozin: LOQ ≥ 20 µg/kg | Optimization and validation of Multiclass Multi residue LC-MS/MS Screening and Confirmation Method for Drug Residues in Milk, Food and Drug Administration LIB#4443 modifikovana (MAC-1) | L1 |
| 97. | Mlijeko i mliječni proizvodi <i>Milk and dairy products</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Određivanje klosantela u mlijeku metodom HPLC/FLD <i>Determination of closantel in milk by HPLC/FLD method</i> | (20-400) µg/kg | 1. Determination of closantel residues in milk and animal tissues by HPLC with fluorescence detection and SPE with oasis | L1 |

Datum izdavanja dodatka: 26.12.2024.

Issue date of annex: 26.12.2024.

Zamjenjuje dodatak: 04.09.2024.

Replaces Annex dated: 04.09.2024.

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|------------------------------|--|--|---|--|---|------------------------------------|
| | | | | | MAX cartridges-Sun HW, Wang FC, JCS, Vol 46, 2008- modif. 2. 2002/657/EC: Commission Decision of 12 August 2002 (OASIS-MAX-HPLC) | |
| 98. | Med Honey | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Određivanje količine šećera volumetrijski <i>Determination of sugars by volumetric titration</i> | glukoza i fruktoza/glucose and fructose (1-90) % Saharoza/sucrose (1-20) % | Determination of apparent reducing sugars and apparent sucrose, Harmonized Methods of the International Honey Commission (IHC), 2009, pg. 42-45 (IHC-2009/42) | L1 |
| 99. | Med Honey | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Određivanje količine vode refraktometrijski <i>Determination of moisture content – refractometric method</i> | (13-25) % | Determination of moisture content, Harmonized Methods of the International Honey Commission (IHC), 2009, pg. 10-15 (IHC-2009/10) | L1 |
| 100. | Med Honey | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Određivanje količine materija nerastvorljivih u vodi gravimetrijski <i>Determination of insoluble matter-gravimetric method</i> | (0,01-10) % | Determination of insoluble matter, Harmonized Methods of the International Honey Commission (IHC), 2009, pg. 55 (IHC-2009/55) | L1 |

Datum izdavanja dodatka: 26.12.2024.

Issue date of annex: 26.12.2024.

Zamjenjuje dodatak: 04.09.2024.

Replaces Annex dated: 04.09.2024.

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|------------------------------|--|--|---|--|--|------------------------------------|
| 101. | Med Honey | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Određivanje slobodnih kiselina volumetrijski <i>Determination of pH and free acidity by titration</i> | (0,5-60) mEq/1000 g | Determination of pH and free acidity by titration to pH 8.3, Harmonized Methods of the International Honey Commission (IHC), 2009, pg. 21-23 (IHC-2009/21) | L1 |
| 102. | Med Honey | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Određivanje hidrosimetilfurfurala po White-u spektrofotometrijski <i>Spectrophotometric determination of hydroxymethylfurfural after White</i> | (0,5-100) mg/kg | Determination of hydroxymethylfurfural after White, Harmonized Methods of the International Honey Commission (IHC), 2009, pg. 29 (IHC-2009/29) | L1 |
| 103. | Med Honey | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Određivanje aktivnosti dijestaze po Schade-u spektrofotometrijski <i>Spectrophotometric determination of diastase activity after Schade</i> | (1-50) | Determination of diastase activity after Schade, Harmonized Methods of the International Honey Commission (IHC), 2009, pg. 35-38 (IHC-2009/35) | L1 |
| 104. | Med Honey | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Određivanje električne provodljivosti konduktometrijski <i>Determination of electrical conductivity</i> | (0,01-20) mS/cm | Determination of electrical conductivity, Harmonized Methods of the International Honey | L1 |

Datum izdavanja dodatka: 26.12.2024.

Issue date of annex: 26.12.2024.

Zamjenjuje dodatak: 04.09.2024.

Replaces Annex dated: 04.09.2024.

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|------------------------------|--|---|---|--|--|------------------------------------|
| | | | | | Commission (IHC), 2009, pg.16-18 (IHC-2009/16) | |
| 105. | Žita i mlinski proizvodi <i>Cereals and milled products</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Određivanje količine vode u žitu i mlinskim proizvodima-gravimetrijska metoda <i>Determination of water content in wheat and flour mill products-gravimetric method</i> | L.D.: 0,01% | Pravilnik o metodama fizičkih i hemijskih analiza za kontrolu kvaliteta žita, mlinskih i pekarskih proizvoda, testenina i brzo smrznutih testa (Sl. list SFRJ, br. 74/88) – 3. Metode fizičkih i hemijskih ispitivanja za kontrolu kvaliteta proizvoda – I – Žita i mlinski proizvodi – 8. Određivanje količine vode u žitu i mlinskim proizvodima (SL74/88-I/8) <i>Rulebook on physical and chemical methods of analysis for quality control of grain, milling and bakery products, pasta and fast frozen dough (Off. Gazette, No. 74. /88) - 3 Methods of physical and</i> | L1 |

Datum izdavanja dodatka: 26.12.2024.

Issue date of annex: 26.12.2024.

Zamjenjuje dodatak: 04.09.2024.

Replaces Annex dated: 04.09.2024.

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|------------------------------|--|---|---|--|--|------------------------------------|
| | | | | | chemical tests for quality control of products - I - Grain and mill products - 8 Determination of water content in wheat and flour mill products (SL74/88-I/8) | |
| 106. | Žita i mlinski proizvodi <i>Cereals and milled products</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Određivanje količine pepela u žitu i mlinskim proizvodima-gravimetrijska metoda <i>Determination of ash in wheat and flour mill products-gravimetric method</i> | L.D.: 0,01% | Pravilnik o metodama fizičkih i hemijskih analiza za kontrolu kvaliteta žita, mlinskih i pekarskih proizvoda, testenina i brzo smrznutih testa (Sl. list SFRJ, br. 74/88) – 3. Metode fizičkih i hemijskih ispitivanja za kontrolu kvaliteta proizvoda – I – Žita i mlinski proizvodi – 10. Određivanje kol. pepela u žitu i ml. proizvodima (SL74/88-I/10) <i>Rulebook on physical and chemical methods of analysis for quality control of grain, milling and bakery products, pasta and fast</i> | L1 |

Datum izdavanja dodatka: 26.12.2024.

Issue date of annex: 26.12.2024.

Zamjenjuje dodatak: 04.09.2024.

Replaces Annex dated: 04.09.2024.

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|------------------------------|--|---|--|--|---|------------------------------------|
| | | | | | frozen dough (Official Gazette, No. 74. / 88) - 3 Methods of physical and chemical tests for quality control of products - I - Grain and mill products - 10 Determination of ash in wheat and flour mill products (SL74/88-I/10) | |
| 107. | Žita i mlinski proizvodi <i>Cereals and milled products</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Određivanje količine pepela nerastvorljivog u hlorovodoničnoj kiselini (pijeska) u žitu i mlinskim proizvodima-gravimetrijska metoda <i>Determination of ash insoluble in hydrochloric acid (sand) in wheat and flour mill products-gravimetric method</i> | L.D.: 0,001% | Pravilnik o metodama fizičkih i hemijskih analiza za kontrolu kvaliteta žita, mlinskih i pekarskih proizvoda, testenina i brzo smrznutih testa (Sl. list SFRJ, br. 74/88) – 3. Metode fizičkih i hemijskih ispitivanja za kontrolu kvaliteta proizvoda – I – Žita i mlinski proizvodi – 11. Određivanje količine pepela nerastvorljivog u hlorovodoničnoj kiselini (pijeska) u žitu i mlinskim proizvodima | L1 |

Datum izdavanja dodatka: 26.12.2024.

Issue date of annex: 26.12.2024.

Zamjenjuje dodatak: 04.09.2024.

Replaces Annex dated: 04.09.2024.

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|------------------------------|--|---|---|--|--|------------------------------------|
| | | | | | (SL74/88-I/11) Rulebook on physical and chemical methods of analysis for quality control of grain, milling and bakery products, pasta and fast frozen dough (Official Gazette, No. 74. / 88) - 3 Methods of physical and chemical tests for quality control of products - I - Grain and mill products - 11 Determination of ash insoluble in hydrochloric acid (sand) in wheat and flour mill products (SL74/88-I/11) | |
| 108. | Žita i mlinski proizvodi <i>Cereals and milled products</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Određivanje kiselinskog stepena u žitu i mlinskim proizvodima volumetrijski <i>Determination of acid level in wheat and flour mill products by volumetric titration</i> | L.D.: 0,1 | Pravilnik o metodama fizičkih i hemijskih analiza za kontrolu kvaliteta žita, mlinskih i pekarskih proizvoda, testenina i brzo smrznutih testa (Sl. list SFRJ, br. 74/88) – 3. Metode fizičkih i hemijskih ispitivanja za kontrolu | L1 |

Datum izdavanja dodatka: 26.12.2024.

Issue date of annex: 26.12.2024.

Zamjenjuje dodatak: 04.09.2024.

Replaces Annex dated: 04.09.2024.

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| | | | | | kvaliteta proizvoda – I – Žita i mlinski proizvodi – 16. Određivanje kiselinskog stepena u žitu i mlinskim proizvodima (SL74/88-I/16) Rulebook on physical and chemical methods of analysis for quality control of grain, milling and bakery products, pasta and fast frozen dough (Official Gazette, No. 74. / 88) - 3 Methods of physical and chemical tests for quality control of products - I - Grain and mill products - 16 Determination of acid level in wheat and flour mill products (SL74/88-I/16) | |
| 109. | Žita i mlinski proizvodi <i>Cereals and milled products</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Određivanje sadržaja fumonizina B1 i B2 metodom LCMS/MS <i>Determination of Fumonisin B1 and B2 by LCMS/MS method</i> | LOQ ≥ 40 µg/kg | Foodstuffs - Determination of fumonisins B1 and B2 in maize - HPLC method with solid phase extraction clean-up, MEST EN 13585:2009 with modification | L1 |

Datum izdavanja dodatka: 26.12.2024.

Issue date of annex: 26.12.2024.

Zamjenjuje dodatak: 04.09.2024.

Replaces Annex dated: 04.09.2024.

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|------------------------------|--|---|---|--|---|------------------------------------|
| 110. | Žita i mlinski proizvodi <i>Cereals and milled products</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Određivanje sadržaja zearalenona metodom LCMS/MS <i>Determination of content of zearalenone by LCMS/MS method</i> | LOQ ≥ 10 µg/kg | 17 Mycotoxin screen by GCMS, Hovard H. Casper, North Dakota State University, Department of Veterinary & Microbiological Science, Fargo, North Dakota, modifikovana (NDSU-1) | L1 |
| 111. | Žita i mlinski proizvodi <i>Cereals and milled products</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Određivanje sadržaja trihotecena u žitaricama i njihovim proizvodima metodom GCMS <i>Determination of trichothecenes in cereals and their products using GCMS (Deoksinivalenol)</i> | LOQ: 40µg/kg | 17 Mycotoxin screen by GCMS, Hovard H. Casper, North Dakota State University, Department of Veterinary & Microbiological Science, Fargo, North Dakota, modifikovana (TR-GCMS) | L1 |
| 112. | Proizvodi od voća i povrća <i>Fruit and vegetable products</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Određivanje ukupne suve materije-gravimetrijska metoda <i>Determination of total dry matter-gravimetric method</i> | L.D.: 0,01% | Pravilnik o metodama uzimanja uzoraka i vršenja hemijskih i fizičkih analiza radi kontrole kvaliteta proizvoda od voća i povrća (Sl. list SFRJ, br. 29/83) –2. Određivanje ukupne suve materije (SL29/83-2) <i>Rulebook on sampling methods</i> | L1 |

Datum izdavanja dodatka: 26.12.2024.

Issue date of annex: 26.12.2024.

Zamjenjuje dodatak: 04.09.2024.

Replaces Annex dated: 04.09.2024.

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|------------------------------|--|---|---|---|--|------------------------------------|
| | | | | | <i>and performance of chemical and physical analysis for quality control of fruit and vegetables (Official Gazette. 29/83) - 2 Determination of total dry matter (SL29/83-2)</i> | |
| 113. | Proizvodi od voća i povrća <i>Fruit and vegetable products</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Određivanje ukupne kiselosti volumetrijski <i>Determination of total acidity by volumetric titration</i> | L.D.: 0,1 g/kg | Pravilnik o metodama uzimanja uzoraka i vršenja hemijskih i fizičkih analiza radi kontrole kvaliteta proizvoda od voća i povrća (Sl. list SFRJ, br. 29/83) – 18. Određivanje ukupne kiselosti (SL29/83-18) <i>Rulebook on sampling methods and performance of chemical and physical analysis for quality control of fruit and vegetables (Official Gazette. 29/83)- 18 Determination of total acidity (SL29/83-18)</i> | L1 |
| 114. | Kakao proizvodi, proizvodi slični čokoladi, bonbonski proizvodi, krem | Fizičko-hemijska ispitivanja <i>Physical-chemical</i> | Određivanje vode sušenjem pod normalnim pritiskom-gravimetrijska | L.D.: 0,01% | Pravilnik o metodama uzimanja uzoraka i metodama | L1 |

Datum izdavanja dodatka: 26.12.2024.

Issue date of annex: 26.12.2024.

Zamjenjuje dodatak: 04.09.2024.

Replaces Annex dated: 04.09.2024.

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| | proizvodi, keks i proizvodi srodni keksu <i>Cocoa products, chocolatelike products, confectionery, cream products, biscuits and simiral products</i> | <i>testing</i> | metoda Determination of water by drying under normal pressure-gravimetric method | | vršenja hemijskih i fizičkih analiza kakao-zrna, kakao-proizvoda, proizvoda sličnih čokoladi, bombonskih proizvoda, krem-proizvoda, keksa i proizvoda srodnih keksu (Sl. list SFRJ, 41/87) – II – Metode fizičkih i hemijskih analiza proizvoda – 1. Određivanje vode sušenjem pod normalnim pritiskom (SL41/87-II/1) Rulebook on sampling methods and methods of performing chemical and physical analysis of cocoa beans, cocoa products, products like chocolate, confectionery, cream products, biscuits and biscuit related products (Official Gazette, 41/87) - II – Methods of physical and chemical analysis | |

Datum izdavanja dodatka: 26.12.2024.

Issue date of annex: 26.12.2024.

Zamjenjuje dodatak: 04.09.2024.

Replaces Annex dated: 04.09.2024.

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|------------------------------|--|---|--|--|--|------------------------------------|
| | | | | | products - 1 Determination of water by drying under normal pressure (SL41/87-II/1) | |
| 115. | Meso <i>Meat</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Određivanje sadržaja tetraciklina u mišićnom tkivu, bubrežnom tkivu i tkivu jetre metodom HPLC (CTC – hlortetraciklin, OTC- oksitetraciklin TC - tetraciklin) <i>Determination of tetracyclines in meat by HPLC method (CTC - chlortetracycline OTC - oxytetracycline TC - tetracycline)</i> | Tetraciklin: LOQ ≥ 20 µg/kg Oksitetraciklin: LOQ ≥ 30 µg/kg Hlortetraciklin: LOQ ≥ 20 µg/kg Doksiciklin: LOQ ≥ 20 µg/kg | Extraction of tetracyclines from Animal Tissue and Eggs, JT Baker Application Note FF505 modifikovana (HPLC BAKER FF 505) | L1 |
| 116. | Meso i mesni proizvodi <i>Meat and meat products</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Određivanje sadržaja nitrita u prehrambenim proizvodima, mesu i proizvodima spektrofotometrijski <i>Spectrophotometric determination of nitrite in food products, meat and meat products</i> | L.D.: 10 mg/kg | ISO 2918:1975 | L1 |
| 117. | Meso i mesni proizvodi <i>Meat and meat products</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Određivanje sadržaja hidropsiprolina u mesu i proizvodima od mesa spektrofotometrijski | L.D.: 0,6% | ISO 3496:1994 | L1 |

Datum izdavanja dodatka: 26.12.2024.

Issue date of annex: 26.12.2024.

Zamjenjuje dodatak: 04.09.2024.

Replaces Annex dated: 04.09.2024.

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| | | | <i>Spectrophotometry determination of hydroxyproline content in meat and meat products</i> | | | |
| 118. | Meso i mesni proizvodi <i>Meat and meat products</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Određivanje sadržaja ukupnog fosfora u mesu i proizvodima od mesa spektrofotometrijski <i>Spectrophotometry determination of total phosphorus content in meat and meat products</i> | L.D.: 0,1 g/kg | ISO 23776:2021 | L1 |
| 119. | Meso i mesni proizvodi <i>Meat and meat products</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Određivanje sadržaja beta-agonista u mišićnom tkivu, bubrežnom tkivu i tkivu jetre metodom LCMS/MS (klenbuterol i salbutamol) <i>Determination of beta- agonists in meat by LCMS/MS method (clenbuterol and salbutamol)</i> | (0,05 -20) µg/kg | 1. GCMS confirmatory method for the determination of clenbuterol residues in animal urine and liver samples- Tomasz Sniegocki, Jan Zmudzki, Andrzej Posynik and Stanislaw Semenuk, Bull. Vet.Inst. Pulaway 47,139-144, 2003-modifikovana 2. 2002/657/EC: Commission Decision of 12 August 2002 implementing Council Directive 96/23/EC concerning the performance of analytical methods and the | |

Datum izdavanja dodatka: 26.12.2024.

Issue date of annex: 26.12.2024.

Zamjenjuje dodatak: 04.09.2024.

Replaces Annex dated: 04.09.2024.

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| | | | | | interpretation of results (LCMS-3.mod) | |
| 120. | Meso i mesni proizvodi <i>Meat and meat products</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Određivanje stilbena u mišićnom tkivu/riba i tkivu jetre metodom LCMS/MS (HEX-heksestrol, DE-dienestrol, DES-dietilstilbestrol) <i>Determination of stilbenes by LCMS/MS method (HEX-hexestrol, DE-dienestrol, DES-diethylstilbestrol)</i> | (0,2 -20) µg/kg | 1. Analysis of Stilbene Residues in Aquacultured Finfish Using LC-MS/MS (Jack J. Lohne, Wendy C. Andersen, Christine R. Casey, Sherri B. Turnipseed, and Mark R. Madson) Journal of Agricultural and Food Chemistry.2013-modifikovana 2. 2002/657/EC: Commission Decision of 12 August 2002 impl. Council Dir. 96/23/EC concerning the performance of analytical methods and the interpretation of results (LCMS-1) | L1 |
| 121. | Meso i mesni proizvodi <i>Meat and meat products</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Određivanje sadržaja hinolona u mišićnom tkivu, bubrežnom tkivu i tkivu jetre metodom HPLC (enrofloksacin, ciprofloksacin i danofloksacin) | LOQ ≥ 20 µg/kg | Simultaneous Quantification of Ciprofloxacin, Enrofloxacin, and Balofloxacin in Broiler Chicken Muscle, H. Garcia Ovando, M.V.N. Gorla, M.Sc.L. | L1 |

Datum izdavanja dodatka: 26.12.2024.

Issue date of annex: 26.12.2024.

Zamjenjuje dodatak: 04.09.2024.

Replaces Annex dated: 04.09.2024.

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|------------------------------|--|---|--|--|---|------------------------------------|
| | | | <i>Determination of quinolones content by HPLC method (enrofloxacin, ciprofloxacin and danofloxacin)</i> | | Ugnia, A. Magnoli M.V, Arch.Med.Vet.X XXVI, No1,2004, modifikovana (HPLC MEDVET 36) | |
| 122. | Meso i mesni proizvodi <i>Meat and meat products</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Određivanje sadržaja hloramfenikola metodom LCMS/MS <i>Determination of chloramphenicol by LCMS/MS method</i> | LOQ ≥ 0,1 µg/kg | Determination and Confirmation of Chloramphenicol Residues in swine muscle and liver, T.L. LI, Y.J. CHUNG-WANG, AND Y.C. SHIH, JFS: Food Chemistry and Toxicology, modifikovana (FCT-CAP-1) | L1 |
| 123. | Meso i mesni proizvodi <i>Meat and meat products</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Određivanje sadržaja beta laktama u mišićnom tkivu, bubrežnom tkivu i tkivu jetre metodom LCMS/MS (amoksicilin, penicilin G, oksacilin) <i>Determination of β-lactam content by LCMS/MS (amoxycillin, penicillin G, oxacillin)</i> | LOQ ≥ 2,5 µg/kg | Screening and Confirmation of β-Lactam Antibiotics by HPLC-MS/MS, CLG-BLAC.02 United States Department of Agriculture Food Safety and Inspection Service, Office of Public Health Science (FSIS-2) | L1 |
| 124. | Hrana za životinje <i>Feed of animal origin</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Određivanje sadržaja Aflatoksina B1, B2, G1 i G2 u hrani za životinje metodom HPLC <i>Determination of</i> | Aflatoksin B1: LOQ ≥ 0,001 mg/kg Aflatoksin B2: LOQ ≥ 0,001 mg/kg | Instruction manual for immunoaffinity column for the purification of Aflatoxins in | L1 |

Datum izdavanja dodatka: 26.12.2024.

Issue date of annex: 26.12.2024.

Zamjenjuje dodatak: 04.09.2024.

Replaces Annex dated: 04.09.2024.

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|------------------------------|--|---|---|---|--|------------------------------------|
| | | | <i>Aflatoxins B1, B2, G1 and G2 in feed by HPLC method</i> | Aflatoksin G1: LOQ ≥ 0,001 mg/kg Aflatoksin G2: LOQ ≥ 0,001 mg/kg | conjunction with HPLC (SOP HPLC 7) | |
| 125. | Hrana za životinje <i>Feed of animal origin</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Određivanje vlage gravimetrijski <i>Determination of moisture - gravimetric method</i> | Hrana i smješe osim masti i ulja životinjskog i biljnog porijekla <i>Feed and mixtures other than fat and oil of animal and plant origin</i> (0,5-30) % | <i>Pravilnik o metodama za uzimanje uzoraka i laboratorijska ispitivanja hrane za životinje (Sl. list CG, br. 78/16)</i> Prilog 3 Dio I Određivanje vlage (SL78/16-3/I) <i>Annex 3 Part I Determination of moisture (SL78/16-3/I)</i> Prilog 3 Dio II Određivanje vlage u mastima i uljima životinjskog i biljnog porijekla (SL78/16-3/II) <i>Annex 3 Part II Determination of moisture in oils and oils of animal and plant origin (SL78/16-3/II)</i> | L1 |
| 126. | Hrana za životinje <i>Feed of animal</i> | Fizičko-hemijska ispitivanja | Određivanje sirovih proteina po Kjedahtu | (0,5-30) % | Pravilnik o metodama za uzimanje | L1 |

Datum izdavanja dodatka: 26.12.2024.

Issue date of annex: 26.12.2024.

Zamjenjuje dodatak: 04.09.2024.

Replaces Annex dated: 04.09.2024.

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|------------------------------|--|---|---|--|--|------------------------------------|
| | <i>origin</i> | <i>Physical-chemical testing</i> | <i>Determination of crude proteins – Kjeldahl method</i> | | uzoraka i laboratorijska ispitivanja hrane za životinje (Sl. list CG, br. 78/16) Prilog 3 Dio III Određivanje sadržaja sirovih proteina (SL78/16-3/III) <i>Rulebook on methods for sampling and laboratory testing of animal feed (Official Gazette of Montenegro, No. 78/16) Annex 3 Part III Determination of crude proteins (SL78/16-3/III)</i> | |
| 127. | Hrana za životinje <i>Feed of animal origin</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Određivanje sirovih masti i ulja gravimetrijski <i>Determination of crude fats and oils – gravimetric method</i> | (0,5-50) % | Pravilnik o metodama za uzimanje uzoraka i laboratorijska ispitivanja hrane za životinje (Sl. list CG, br. 78/16). Prilog 3 Dio VIII Određivanje sirovih masti i ulja (SL78/16-3/VIII) <i>Rulebook on methods for sampling and laboratory testing of animal feed (Official Gazette of Montenegro,</i> | L1 |

Datum izdavanja dodatka: 26.12.2024.

Issue date of annex: 26.12.2024.

Zamjenjuje dodatak: 04.09.2024.

Replaces Annex dated: 04.09.2024.

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|------------------------------|--|---|---|--|---|------------------------------------|
| | | | | | <i>No. 78/16 Annex 3 Part VIII Determination of crude fats and oils (SL78/16-3/VIII)</i> | |
| 128. | Hrana za životinje <i>Feed of animal origin</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Određivanje šećera <i>Determination of sugars</i> | (0,5-30) % | Pravilnik o metodama za uzimanje uzoraka i laboratorijska ispitivanja hrane za životinje (Sl. list CG, br. 78/16). Prilog 3 Dio X Određivanje šećera (SL78/16-3/X) <i>Rulebook on methods for sampling and laboratory testing of animal feed (Official Gazette of Montenegro, No. 78/16) Annex 3 Part X Determination of sugars (SL78/16-3/X)</i> | L1 |
| 129. | Hrana za životinje <i>Feed of animal origin</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Određivanje sirovog pepela <i>Determination of crude ash</i> | (0,1-20) % | Pravilnik o metodama za uzimanje uzoraka i laboratorijska ispitivanja hrane za životinje (Sl. list CG, br. 78/16). Prilog 3 Dio XIII Određivanje sirovog pepela (SL78/16-3/XII) <i>Rulebook on</i> | L1 |

Datum izdavanja dodatka: 26.12.2024.

Issue date of annex: 26.12.2024.

Zamjenjuje dodatak: 04.09.2024.

Replaces Annex dated: 04.09.2024.

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|------------------------------|--|---|---|--|--|------------------------------------|
| | | | | | <i>methods for sampling and laboratory testing of animal feed (Official Gazette of Montenegro, No. 78/16) Annex 3 Part XIII Determination of crude ash (SL78/16-3/XII)</i> | |
| 130. | Hrana za životinje <i>Feed of animal origin</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Određivanje hloramfenikola primjenom Enzyme Linked Immuno Sorbent Assay (ELISA) Determination of chloramphenicol by Enzyme Linked Immuno Sorbent Assay (ELISA) | Opseg (0,5-4) µg/kg | Metoda prema uputstvu proizvođača kita: <i>Method according to the manufacturer's kit instructions:</i> Microtiter plate based competitive enzyme immunoassay for screening and quantitative analysis of Chloramphenicol in various matrices, 5091 CAPF, Europroxima, Netherland (ELISA-HLR-06) | L1 |
| 131. | Hrana za životinje <i>Feed of animal origin</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Određivanje beta agonista primjenom Enzyme Linked Immuno Sorbent Assay (ELISA) <i>Determination of beta agonists by Enzyme Linked Immuno Sorbent Assay (ELISA)</i> | Opseg (1-20) µg/kg | Metoda prema uputstvu proizvođača kita: <i>Method according to the manufacturer's kit instructions:</i> Microtiter plate based competitive enzyme immunoassay for | L1 |

Datum izdavanja dodatka: 26.12.2024.

Issue date of annex: 26.12.2024.

Zamjenjuje dodatak: 04.09.2024.

Replaces Annex dated: 04.09.2024.

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|------------------------------|--|---|---|--|---|------------------------------------|
| | | | | | screening and quantitative analysis on the presence of a wide variety of Beta Agonist, 5061 BAGF, Europroxima | |
| 132. | Hrana za životinje <i>Feed of animal origin</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Određivanje Aflatoxina B1 primjenom Enzyme Linked Immuno Sorbent Assay (ELISA) <i>Determination of aflatoxin B1 by Enzyme Linked Immuno Sorbent Assay (ELISA)</i> | Opseg (3,5-40) µg/kg | Metoda prema uputstvu proizvođača kita: Method according to the manufacturer's kit instructions: A competitive enzyme immunoassay for screening and quantitative analysis of Aflatoxin B1 in various matrices- Aflatoxin B1 Sensitive ELISA 5121AFBS Europroxima, Netherland (ELISA-AFLA-73) | L1 |
| 133. | Hrana za životinje <i>Feed of animal origin</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Određivanje Ochratoksin-A primjenom Enzyme Linked Immuno Sorbent Assay (ELISA) <i>Determination of ochratoxin-A by Enzyme Linked Immuno Sorbent Assay (ELISA)</i> | (2-125) µg/kg | Metoda prema uputstvu proizvođača kita: Method according to the manufacturer's kit instructions: A competitive enzyme immunoassay for screening and quantitative analysis of Ochratoxin –A in | L1 |

Datum izdavanja dodatka: 26.12.2024.

Issue date of annex: 26.12.2024.

Zamjenjuje dodatak: 04.09.2024.

Replaces Annex dated: 04.09.2024.

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|------------------------------|--|---|--|---|---|------------------------------------|
| | | | | | food and feed samples 5121OTA Europroxima, Netherland (ELISA-OCHR-75) | |
| 134. | Hrana za životinje <i>Feed of animal origin</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Određivanje Diethylstilbestrol (DES) primjenom Enzyme Linked Immuno Sorbent Assay (ELISA) <i>Determination of Diethylstilbestrol (DES) by Enzyme Linked Immuno Sorbent Assay (ELISA)</i> | (1-16) µg/kg | Metoda prema uputstvu proizvođača kita: Method according to the manufacturer's kit instructions: A competitive enzyme immunoassay for screening and quantitative analysis of diethylstilbestrol (DES) in various matrices -5081 DES Europroxima, Netherland (ELISA-DES-04) | L1 |
| 135. | Hrana za životinje <i>Feed of animal origin</i> | Hemijska ispitivanja <i>Chemical testing</i> | Određivanje sadržaja kobalta, bakra, gvožđa, mangana i cinka u hrani za životinje primjenom induktivno kuplovane plazme optičke spektrometrije (ICP-OES) <i>Determination of cobalt, copper, iron, manganese and zinc content in animal feed</i> | LOQ Co 1.0 mg/kg LOQ Cu 1.2 mg/kg LOQ Fe 2.6 mg/kg LOQ Mn 1.8 mg/kg LOQ Zn 1.0 mg/kg | MEST EN 15621:2018 | L1 |

Datum izdavanja dodatka: 26.12.2024.

Issue date of annex: 26.12.2024.

Zamjenjuje dodatak: 04.09.2024.

Replaces Annex dated: 04.09.2024.

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|------------------------------|--|--|---|--|---|------------------------------------|
| | | | using inductively coupled plasma optical spectrometry (ICP-OES) | | | |
| 136. | Hrana biljnog i životinjskog porijekla <i>Food of plant and animal origin</i> | Hemijska ispitivanja <i>Chemical testing</i> | Određivanje sadržaja vode gravimetrijski Determination of water content gravimetrically | LOQ ≥ 0,6% | Trajković J., Mirić, M., Baras, J., Šiler, S, Analize životnih namirnica, Tehnološko-metalurški fakultet, Beograd 1983. (strana 13) | L1 |
| 137. | Hrana biljnog i životinjskog porijekla <i>Food of plant and animal origin</i> | Hemijska ispitivanja <i>Chemical testing</i> | Određivanje sadržaja pepela gravimetrijski Determination of ash content gravimetrically | LOQ ≥ 0,2% | Trajković J., Mirić, M., Baras, J., Šiler, S, Analize životnih namirnica, Tehnološko-metalurški fakultet, Beograd 1983. (strana 29) | L1 |
| 138. | Hrana biljnog i životinjskog porijekla <i>Food of plant and animal origin</i> | Hemijska ispitivanja <i>Chemical testing</i> | Određivanje sadržaja soli volumetrijski Determination of salt content volumetrically | LOQ ≥ 0,1% | Trajković J., Mirić, M., Baras, J., Šiler, S, Analize životnih namirnica, Tehnološko-metalurški fakultet, Beograd 1983. (strana 327, 490) | L1 |
| 139. | Hrana biljnog i životinjskog porijekla <i>Food of plant and animal origin</i> | Hemijska ispitivanja <i>Chemical testing</i> | Određivanje sadržaja proteina po Kjeldahl-u Determination of protein content according to Kjeldahl | LOQ ≥ 0,4% | Trajković J., Mirić, M., Baras, J., Šiler, S, Analize životnih namirnica, Tehnološko-metalurški fakultet, Beograd 1983. (strana 75) Handbook for Kjeldahl digestion | L1 |

Datum izdavanja dodatka: 26.12.2024.

Issue date of annex: 26.12.2024.

Zamjenjuje dodatak: 04.09.2024.

Replaces Annex dated: 04.09.2024.

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|------------------------------|--|---|---|---|---|------------------------------------|
| | | | | | – a recent review of the classical method with improvements, Devel. by Tecator, 2nd Ed, May 2006. | |
| 140. | Hrana biljnog i životinjskog porijekla <i>Food of plant and animal origin</i> | Hemijska ispitivanja <i>Chemical testing</i> | Određivanje sadržaja šećera volumetrijski po Luff-Schoorl-u Determination of sugar content volumetrically according to Luff-Schoorl | LOQ ≥ 0,25% | Trajković J., Mirić, M., Baras, J., Šiler, S, Analize životnih namirnica, Tehnološko-metalurški fakultet, Beograd 1983. (strana 124) | L1 |
| 141. | Hrana biljnog i životinjskog porijekla <i>Food of plant and animal origin</i> | Hemijska ispitivanja <i>Chemical testing</i> | Određivanje sadržaja masti po Soxhlet-u Determination of fat content by Soxhlet | LOQ ≥ 0,5% | Trajković J., Mirić, M., Baras, J., Šiler, S, Analize životnih namirnica, Tehnološko-metalurški fakultet, Beograd 1983. (strana 96) | L1 |
| 142. | Hrana biljnog i životinjskog porijekla <i>Food of plant and animal origin</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Određivanje elemenata primjenom atomske apsorpcione spektrometrije sa grafitnom peći (GF-AAS) <i>Determination of elements by graphite furnace atomic absorption spectrophotometry (GF-AAS)</i> | riba i proizvodi od ribe / <i>fish and fish products</i> Pb (0,02-0,50) mg/kg Cd (0,02-0,10) mg/kg Školjke / <i>shellfish</i> Pb (0,1-2,50) mg/kg Cd (0,5-2,5)mg/kg meso / <i>meat</i> Pb (0,04-0,2) mg/kg | MEST EN 14084:2009 Commission Regulation (EC) No 333/2007 of 28 March 2007 2002/657/EC: Commission Decision of 12 August 2002 Commission Regulation (EU) No 836/2011 of 19 August 2011 | L1 |

Datum izdavanja dodatka: 26.12.2024.

Issue date of annex: 26.12.2024.

Zamjenjuje dodatak: 04.09.2024.

Replaces Annex dated: 04.09.2024.

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|------------------------------|--|---|---|---|---|------------------------------------|
| | | | | Cd (0,02-0,10) mg/kg mlijeko i hrana za odojčad i hrana za nastavak prehrane odojčadi i male djece / <i>milk, infant and follow-on formulae</i> Pb (0,005-0,05) mg/kg Cd (0,01-0,05) mg/kg voće, povrće i žitarice / <i>fruit, vegetable and cereals</i> Pb (0,04-0,2) mg/kg Cd (0,02-0,10) mg/kg | | |
| 143. | Hrana biljnog i životinjskog porijekla <i>Food of plant and animal origin</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Određivanje hloramfenikola primjenom Enzyme Linked Immuno Sorbent Assay (ELISA) <i>Determination of chloramphenicol by Enzyme Linked Immuno Sorbent Assay (ELISA)</i> | Mlijeko mišić, med, jaje, riba <i>Milk, muscles, honey, eggs, fish</i> CCβ ≥ 0,050 μg/kg | Metoda prema uputstvu proizvođača kita: Method according to the manufacturer's kit instructions: Microtiter plate based competitive enzyme immunoassay for screening and quantitative analysis of Chloramphenicol in various matrices, 5091 CAPF, Europroxima, | L1 |

Datum izdavanja dodatka: 26.12.2024.

Issue date of annex: 26.12.2024.

Zamjenjuje dodatak: 04.09.2024.

Replaces Annex dated: 04.09.2024.

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|------------------------------|--|---|--|--|---|------------------------------------|
| | | | | | Netherland (ELISA-HLR-139) | |
| 144. | Hrana biljnog i životinjskog porijekla <i>Food of plant and animal origin</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Određivanje beta agonista primjenom Enzyme Linked Immuno Sorbent Assay (ELISA) <i>Determination of beta agonists by Enzyme Linked Immuno Sorbent Assay (ELISA)</i> | Meso - Meat (0,1-2) µg/kg Iznutrice - Offal (0,1-2) µg/kg Riba - Fish (0,1-2) µg/kg | Metoda prema uputstvu proizvođača kita: Method accor. to manufacturer's kit instructions: Microtiter plate based competitive enzyme immunoassay for screening and quantitative analysis on the presence of a wide variety of Beta Agonist, 5061 BAGF, Europroxima, Netherland (ELISA-BA-142) | L1 |
| 145. | Hrana biljnog i životinjskog porijekla <i>Food of plant and animal origin</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Određivanje sulfonamida primjenom Enzyme Linked Immuno Sorbent Assay (ELISA) <i>Determination of sulphonamides by Enzyme Linked Immuno Sorbent Assay (ELISA)</i> | Mlijeko - Milk (10-200) µg/kg Meso - Meat (10-120) µg/kg Iznutrice - Offal (10-120) µg/kg Riba - Fish (10-120) µg/kg Jaja - Egg (10-200) µg/kg Med - Honey (10-200) µg/kg | Metoda prema uputstvu proizvođača kita: Method accor. to manufacturer's kit instructions: A competitive enzyme immunoassay for screening and quantitative analysis of a broad range sulfonamides in various matrices, 5101 SULM II, Europroxima, Netherland (ELISA-SULF-79) | L1 |

Datum izdavanja dodatka: 26.12.2024.

Issue date of annex: 26.12.2024.

Zamjenjuje dodatak: 04.09.2024.

Replaces Annex dated: 04.09.2024.

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|------------------------------|--|---|--|---|--|------------------------------------|
| 146. | Hrana biljnog i životinjskog porijekla <i>Food of plant and animal origin</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Određivanje sadržaja sulfonamida u medu primjenom tečnog hromatografa sa masenim spektrometrom (LCMS/MS) <i>Determination of Sulfonamides in honey by LCMS/MS method</i> | Opseg (5-500) µg/kg | Quantitative LC/MS-MS Determination of Sulfonamides and Some Other Antibiotics in Honey. Anton Kaufmann, Sven Roth, Bianca Ryser, Mirjam Widmer, Dominik Guggisberg. Journal of AOAC International vol. 85, No. 4, 2002 853 (LCMS-SULF- 148) | L1 |
| 147. | Hrana biljnog i životinjskog porijekla <i>Food of plant and animal origin</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Određivanje Aflatoxina B1 primjenom Enzyme Linked Immuno Sorbent Assay (ELISA) Determination of aflatoxin B1 by Enzyme Linked Immuno Sorbent Assay (ELISA) 1. Žitarice i proizvodi od Žitarica / Cereals 2. Jezgrasto voće / Nuts 3. Uljarice i njihovi proizvodi / Oilseeds 4. Sušeno voće / Dried fruits 5. Začini Spices 6. Hrana za odojčad i malu djecu Baby/infant food | Žitarice i proizvodi od žitarica - Cereals (0,05-16) µg/kg Jezgrasto voće - Nuts (0,1-16) µg/kg Uljarice i njihovi proizvodi - Oilseeds (0,1-16) µg/kg Proizvodi od voća-sušeno voće - Dried fruits (0,1-16) µg/kg Začini - Spices (0,5-16) µg/kg Hrana za odojčad i malu djecu - Baby/infant food (0,05-0,40) µg/kg | Metoda prema uputstvu proizvođača kita: Method accor. to manufacturer's kit instructions: A competitive enzyme immunoassay for screening and quantitative analysis of Aflatoxin B1 in various matrices- Aflatoxin B1 Sensitive ELISA 5121AFBS Europroxima, Netherland (ELISA-AFLA-146) | L1 |

Datum izdavanja dodatka: 26.12.2024.

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Zamjenjuje dodatak: 04.09.2024.

Replaces Annex dated: 04.09.2024.

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|------------------------------|--|---|---|---|--|------------------------------------|
| 148. | Hrana biljnog i životinjskog porijekla <i>Food of plant and animal origin</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Određivanje Total Afla toxina primjenom Enzyme Linked Immuno Sorbent Assay (ELISA) Determination of Total Aflatoxin by Enzyme Linked Immuno Sorbent Assay (ELISA) 1. Žitarice i proizvodi od žitarica / Cereals 2. Jezgrasto voće / Nuts 3. Uljarice i njihovi proizvodi / Oilseeds 4. Sušeno voće / Dried fruits 5. Začini / Spices | Žitarice i proizvodi od žitarica - Cereals (0,25-32) µg/kg Jezgrasto voće Nuts - (0,5-32) µg/kg Uljarice i njihovi proizvodi - Oilseeds (0,5-32) µg/kg Proizvodi od voća - sušeno voće - Dried fruits (0,5-32) µg/kg Začini - Spices (1-32) µg/kg | Metoda prema uputstvu proizvođača kita: Method according to manufacturer's kit instructions: A competitive enzyme immunoassay for screening and quantitative analysis of Aflatoxin total in various matrices -Total Aflatoxin ELISA 5121AFT Europroxima, Netherland (ELISA-AFLA-72) | L1 |
| 149. | Hrana biljnog i životinjskog porijekla <i>Food of plant and animal origin</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Određivanje Total Aflatoxin M1 primjenom Enzyme Linked Immuno Sorbent Assay (ELISA) <i>Determination of Total Aflatoxin M1 by Enzyme Linked Immuno Sorbent Assay (ELISA)</i> Mlijeko, hrana za odojčad i hrana za nastavak prehrane odojčadi i male djece <i>Milk, baby food and food for continuing nutrition for infants and young children</i> | (0,010-0,080) µg/kg | Metoda prema uputstvu proizvođača kita: Method according to the manufacturer's kit instructions: A competitive enzyme immunoassay for and quantitative analysis of Aflatoxin M1 in milk and milk products -5121 AFMS Europroxima, Netherland (ELISA-AFLA-74) | L1 |
| 150. | Hrana biljnog i životinjskog porijekla <i>Food of plant and</i> | Fizičko-hemijska ispitivanja <i>Physical-</i> | Određivanje Ohratoksin-A primjenom Enzyme Linked Immuno | Žitarice i proizvodi od žitarica - Cereals (2-20) µg/kg | Metoda prema uputstvu proizvođača kita: Method | L1 |

Datum izdavanja dodatka: 26.12.2024.

Issue date of annex: 26.12.2024.

Zamjenjuje dodatak: 04.09.2024.

Replaces Annex dated: 04.09.2024.

| Red Br. <i>No.</i> | Predmet ispitivanja/ materijal/ proizvod <i>Testing item/ material/product</i> | Oblast ispitivanja <i>Field of testing</i> | Vrsta ispitivanja i/ili karakteristika koja se mjeri (tehnika ispitivanja) <i>Type of test and/or property measured (testing technique)</i> | Opseg mjerenja (gdje je primjenjivo) <i>Measuring range (where applicable)</i> | Referentni dokument <i>Reference document</i> | Lokacija <i>Location</i> |
|------------------------------|--|---|--|---|--|------------------------------------|
| | <i>animal origin</i> | <i>chemical testing</i> | Sorbent Assay (ELISA) Determination of Ochratoxin-A by Enzyme Linked Immuno Sorbent Assay (ELISA) 1. Žitarice i proizvodi od žitarica / Cereals 2. Sušeno voće / Dried fruits 3. Začini / Spices 4. Hrana za odojčad i malu djecu / Baby/infant food 5. Kafa i proizvodi od kafe / Coffee and coffee products 6. Vino / Wine | Sušeno voće - Dried fruits (4-20) µg/kg Hrana za odojčad i malu djecu - Baby/infant food (0,5-25) µg/kg Kafa i proizvodi od kafe - Coffee and coffee products (2-12,5) µg/kg Vino - Wine (0,5-5) µg/kg | according to the manufacturer's kit instructions: A competitive enzyme immunoassay for and quantitative analysis of Ochratoxin –A in food and feed samples 5121 OCH, Europroxima, Netherland (ELISA-OCHR-174) | |
| 151. | Hrana biljnog i životinjskog porijekla <i>Food of plant and animal origin</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Određivanje Diethylstilbestrol (DES) primjenom Enzyme Linked Immuno Sorbent Assay (ELISA) <i>Determination of Diethylstilbestrol (DES) by Enzyme Linked Immuno Sorbent Assay (ELISA)</i> 1. Iznutrice / Offal 2. Riba / Fish 3. Meso / Meat | Iznutrice - Offal (1-16) µg/kg Riba - Fish (1-16) µg/kg Meso - Meat (1-16) µg/kg | Metoda prema uputstvu proizvođača kita: Method accor. to manufacturer's kit instructions: A competitive enzyme immunoassay for screening and quantitative analysis of diethylstilbestrol (DES) in various matrices -5081 DES Europroxima, Netherland, (ELISA-DES-149) | L1 |
| 152. | Hrana biljnog porijekla <i>Food of plant origin</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical</i> | Kvantitativno određivanje rezidua pesticida u hrani biljnog porijekla primjenom GC- | LOQ < 0,01 mg/kg | MEST EN 15662:2019 | L1 |

Datum izdavanja dodatka: 26.12.2024.

Issue date of annex: 26.12.2024.

Zamjenjuje dodatak: 04.09.2024.

Replaces Annex dated: 04.09.2024.

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|----------------------------------|--|--|--|--|---|--|
| | | <i>testing</i> | <p>MS/MS tehnike, nakon ekstrakcije acetonitrilom i prečišćavanjem disperzivnom SPE, modularna QuEChERS metoda za grupe proizvoda:</p> <ol style="list-style-type: none"> 1. Voće i povrće sa visokim sadržajem vode 2. Kiselo voće i povrće sa visokim sadržajem vode 3. Proizvodi sa visokim sadržajem šećera i niskim sadržajem vode 4. Proizvodi sa visokim sadržajem ulja i veoma niskim sadržajem vode (uljarice) 5. Proizvodi sa visokim sadržajem ulja i srednjim sadržajem vode 6. Proizvodi sa visokim sadržajem skroba/proteina i niskim sadržajem vode i masti <p><u>Lista pesticida</u> ¹⁾ <i>Determination of pesticide residues in food of plant origin using GC-MS/MS technique - following acetonitrile extraction/ partitioning and</i></p> | | | |

Datum izdavanja dodatka: 26.12.2024.

Issue date of annex: 26.12.2024.

Zamjenjuje dodatak: 04.09.2024.

Replaces Annex dated: 04.09.2024.

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|------------------------------|--|--|---|--|---|------------------------------------|
| | | | <p><i>clean-up by dispersive SPE - Modular QuEChERS-method for product groups:</i></p> <ol style="list-style-type: none"> 1. Fruits and vegetables with high water content 2. Highly acidic fruits and vegetables with high water content 3. Products with high sugar content and low water content 4. Products with high oil content and very low water content (oilseeds) 5. Products with high oil content and moderate water content 6. Products with high starch and/or protein content and low water and fat content <p>List of pesticides 1)</p> | | | |
| 153. | Hrana biljnog porijekla <i>Food of plant origin</i> | Hemijska ispitivanja <i>Chemical testing</i> | <p>Kvantitativno određivanje rezidua pesticida u hrani primjenom LC-MS/MS tehnike nakon ekstrakcije acetonitriлом i prečišćavanju disperzivnom SPE-Modularna Quechers metoda</p> <p>Grupa proizvoda:</p> <ol style="list-style-type: none"> 1. Voće i povrće sa visokim sadržajem vode 2. Proizvodi sa visokim sadržajem ulja i niskim | LOQ (mg/kg) < 0,01 | MEST EN 15662:2019 | L1 |

Datum izdavanja dodatka: 26.12.2024.

Issue date of annex: 26.12.2024.

Zamjenjuje dodatak: 04.09.2024.

Replaces Annex dated: 04.09.2024.

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|------------------------------|--|---|--|--|---|------------------------------------|
| | | | <p>sadržajem vode (uljajrice) 3. Proizvodi sa visokim sadržajem skroba/proteina i niskim sadržajem vode i masti <u>Lista pesticida</u>²⁾</p> <p><i>Determination of pesticide residues in food of plant origin using LC-MS/MS technique - following acetonitrile extraction/ partitioning and clean-up by dispersive SPE - Modular QuEChERS-method</i></p> <p>1) <i>Fruits and vegetables with high water content</i> 2) <i>Products with high oil content and very low water content (oilseeds)</i> <i>Products with high starch and/or protein content and low water and fat content</i></p> | | | |
| 154. | Hrana biljnog porijekla <i>Food of plant</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Određivanje sadržaja akrilamida u hrani metodom LC-MS/MS <i>Determination of acrylamide in food by the LC-MS/MS</i> | LOQ ≥ 50 µg/kg | MEST EN 16618:2016 Analiza hrane - Određivanje akrilamida u hrani pomoću tečne hromatografije sa | L1 |

Datum izdavanja dodatka: 26.12.2024.

Issue date of annex: 26.12.2024.

Zamjenjuje dodatak: 04.09.2024.

Replaces Annex dated: 04.09.2024.

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|------------------------------|--|---|--|---|---|------------------------------------|
| | | | <i>method</i> | | tandem masenom spektrometrijom (LC-ESI-MS-MS) Food analysis - Determination of acrylamide in food by liquid chromatography tandem mass spectrometry (LC-ESI-MS/MS) | |
| 155. | Hrana životinjskog porijekla (mlijeko, mišić, jetra, bubreg i masno tkivo) <i>Food of animal origin (milk, muscles, liver, kidney, fatty tissue)</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Kvalitativno određivanje penicilina primjenom ELISA testa <i>Qualitative determination of penicilines by ELISA test</i> | Mlijeko/Milk CCβ ≥ 2 µg/kg Mišić, bubreg, jetra, masno tkivo <i>Muscles liver, kidney, fatty tissue</i> CCβ ≥ 25 µg/kg | Metoda prema uputstvu proizvođača kita: <i>Method accor. to manufacturer's kit instructions:</i> Microtiter plate based competitive enzyme immunoassay for screening and quantitative analysis of Penicilins in various matrices, 5091 PEN, Europroxima, Netherland | L1 |
| 156. | Hrana biljnog i životinjskog porijekla <i>Food of plant and animal origin</i> | Hemijska ispitivanja <i>Chemical testing</i> | Određivanje olova i kadmijum primjenom masene spektrometrije sa indukovano spregnutom plazmom (ICP-MS) <i>Determination of lead and cadmium using inductively coupled plasma mass spectrometry (ICP-</i> | Voće LOQ Pb 0,02 mg/kg LOQ Cd 0,008 mg/kg Povrće LOQ Pb 0,03 mg/kg LOQ Cd 0,008 mg/kg Žitarice LOQ Pb 0,04 mg/kg LOQ Cd 0,02 mg/kg | MEST EN 15763:2012 Prehrambeni proizvodi – Određivanje elemenata u tragovima – Određivanje arsena, kadmijuma, žive i olova u prehranbenim | L1 |

Datum izdavanja dodatka: 26.12.2024.

Issue date of annex: 26.12.2024.

Zamjenjuje dodatak: 04.09.2024.

Replaces Annex dated: 04.09.2024.

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|------------------------------|--|---|---|---|--|------------------------------------|
| | | | <i>MS)</i> | Meso LOQ Pb 0,02 mg/kg LOQ Cd 0,01 mg/kg Riba LOQ Pb 0,06 mg/kg LOQ Cd 0,02 mg/kg Hrana za odojčad LOQ Pb 0,02 mg/kg LOQ Cd 0,02 mg/kg Suplementi LOQ Pb 0,6 mg/kg LOQ Cd 0,2 mg/kg Mlijeko LOQ Pb 0,02 mg/kg Čokolada LOQ Cd 0,02 mg/kg | proizvodima metodom induktivno spregnute plazme masenom spektrometrijom (ICP-MS) nakon digestije pod pritiskom Foodstuffs - Determination of trace elements - Determination of arsenic, cadmium, mercury and lead in foodstuffs by inductively coupled plasma mass spectrometry (ICP-MS) after pressure digestion | |
| 157. | Hrana biljnog i životinjskog porijekla <i>Food of plant and animal origin</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Semi-kvantitativno određivanje metabolita nitrofurana u medu metodom LCMS/MS (metabolit furazolidona (AOZ), metabolit furaltadona (AMOZ) i metabolit nitrofurazona (SEM)) <i>Semi-quantitative determination of metabolites of nitrofurans in honey</i> | $CC\beta \geq 0,25$ $\mu\text{g/kg}$ | Method for the detection and quantification of five nitrofuran metabolite residues in biological matrices using LCMS/MS, Analytical method for food safety; F/CHIM/SM/PTC /030-Version 2 (EURL -ANSES, 2019) | L1 |

Datum izdavanja dodatka: 26.12.2024.

Issue date of annex: 26.12.2024.

Zamjenjuje dodatak: 04.09.2024.

Replaces Annex dated: 04.09.2024.

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|------------------------------|--|---|--|--|--|------------------------------------|
| | | | <i>by LCMS/MS method (furazolidone metabolite, furaltadone metabolite, and nitrofurazone metabolite)</i> | | | |
| 158. | Povrće i voće <i>Vegetables and fruits</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Određivanje sadržaja nitrata HPLC metodom <i>Determination of nitrate content by HPLC method</i> | LOQ ≥ 0,25 mg/kg | A High Performance Liquid Chromatography Method for Determining Nitrate and Nitrite Levels in Vegetables-Shin-Shou Chou, Jen-Chen Chung, Deng-Fwu Hwang (Journal of Food and Drug Analysis, Vol 11, No.3,2003, Pages 233238, modifikovana (JFDA-2003-NO3) | L1 |
| 159. | Povrće i voće <i>Vegetables and fruits</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Određivanje sadržaja pesticida u namirnicama biljnog porijekla metodom GCMS-QuEChERS metoda <i>Determination of pesticide residues using GC-MS and/or LC-MS/MS following acetonitrile extraction/partitioning and clean-up by dispersive SPE – QuEChERS-method</i> | LOQ: 0,01mg/kg | MEST EN 15662:2019 | L1 |

Datum izdavanja dodatka: 26.12.2024.

Issue date of annex: 26.12.2024.

Zamjenjuje dodatak: 04.09.2024.

Replaces Annex dated: 04.09.2024.

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|------------------------------|---|---|---|---|---|------------------------------------|
| 160. | Voće i povrće <i>Vegetables and fruits</i> | Hemijska ispitivanja <i>Chemical testing</i> | Određivanje ditiokarbamata izraženih kao CS₂ u uzorcima voća i povrća/Determination of dithiocarbamates expressed as CS₂ | LOQ 0,025mg/kg | EURL-SRM Analysis of residues of dithiocarbamate fungicides in low-oil content food of plant origin involving cleavage into carbon disulfide, partitioning into isooctane and measurement by GC-MS/MS or GC-ECD (GH-222) | L1 |
| 161. | Hrana životinjskog porijekla (mlijeko, jaja, med, jetra, bubreg i riba) <i>Food of animal origin (milk, honey, eggs, liver, kidney, fish)</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Kvalitativno određivanje tetraciklina primjenom ELISA testa <i>(Qualitative determination of tetracyclines by ELISA test)</i> | Mlijeko (Milk) CCβ ≥ 10 µg/kg Bubreg, jetra (Liver, kidney) CCβ ≥ 30 µg/kg Med (Honey) CCβ ≥ 5 µg/kg Jaja (Eggs) CCβ ≥ 20 µg/kg Riba (Fish) CCβ ≥ 10 µg/kg | Metoda prema uputstvu proizvođača kita: <i>Method accor. to manufacturer's kit instructions:</i> Microtiter plate based competitive enzyme immunoassay for screening and quantitative analysis of Tetracyclines in various matrices, 5091 TC, Europroxima, The Netherlands | L1 |
| 162. | Hrana životinjskog porijekla <i>Food of animal origin</i> | Hemijska ispitivanja <i>Chemical testing</i> | Semi-kvantitativno određivanje farmakološko aktivnih supstanci - antimikrobne supstance i antiparazitici u mišićnom tkivu, ribi, jajima i | Mlijeko CCβ (µg/kg) 2,5-40 Mišićno tkivo (goveđe, ovčje, kozje, pileće, svinjsko) CCβ (µg/kg) 5-75 | “Screening and Confirmation of Animal Drug Residues by UHPLC-MS-MS, CLG-MRM1.08, United States Department of Agriculture Food Safety and | L1 |

Datum izdavanja dodatka: 26.12.2024.

Issue date of annex: 26.12.2024.

Zamjenjuje dodatak: 04.09.2024.

Replaces Annex dated: 04.09.2024.

| Red Br. <i>No.</i> | Predmet ispitivanja/ materijal/ proizvod <i>Testing item/ material/product</i> | Oblast ispitivanja <i>Field of testing</i> | Vrsta ispitivanja i/ili karakteristika koja se mjeri (tehnika ispitivanja) <i>Type of test and/or property measured (testing technique)</i> | Opseg mjerenja (gdje je primjenjivo) <i>Measuring range (where applicable)</i> | Referentni dokument <i>Reference document</i> | Lokacija <i>Location</i> |
|----------------------------------|--|---|---|--|---|--|
| | | | <p>mljeku skrining LCMS/MS metodom (<u>Lista farmakološko aktivnih supstanci - antimikrobne supstance i antiparazitici</u>⁶)</p> <p><i>Semi-quantitative determination of pharmacologically active substances - antimicrobial substances and antiparasitics in muscle tissue, fish, eggs and milk screening by LCMS/MS method</i></p> | <p>Jaja CCβ (µg/kg) 2,5-40</p> <p>Riba CCβ (µg/kg) 5-75</p> | <p>Inspection Service, Office of Public Health Science”</p> | |
| 163. | <p>Hrana životinjskog porijekla <i>Food of animal origin</i></p> | <p>Fizičko-hemijska ispitivanja <i>Physical-chemical</i></p> | <p>Semi-kvantitativno određivanje metabolita nitrofurana u ribi skrining LCMS/MS metodom (metabolit furazolidona, metabolit furaltadona, metabolit nitrofurantoina i metabolit nitrofurazona)</p> <p><i>Semi-quantitative determination of nitrofurantoin metabolites in fish screening by LCMS/MS method (furazolidone metabolite, furaltadone metabolite, nitrofurantoin</i></p> | <p>CCβ (µg/kg) AHD-0,25 AMAZ-0,25 AOZ-0,25 SEM-0,25</p> | <p>Screening and Confirmation of Four Nitrofurantoin Metabolites by Liquid Chromatography - Tandem Mass Spectrometry, CLG-NFUR 3.01, United States Department of Agriculture Food Safety and Inspection Service, Office of Public Health Science</p> | L1 |

Datum izdavanja dodatka: 26.12.2024.

Issue date of annex: 26.12.2024.

Zamjenjuje dodatak: 04.09.2024.

Replaces Annex dated: 04.09.2024.

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|------------------------------|--|---|---|--|---|------------------------------------|
| | | | <i>metabolite and nitrofurazone metabolite)</i> | | | |
| 164. | Biološki materijal (urin, serum, plazma) <i>Biological material (urine, serum, plasma)</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Određivanje sadržaja steroida metodom LCMS/MS (19-nortestosteron, 17-α-metiltestosteron, 17-β-estradiol, medroksiprogesteron-17 acetat, progesteron, medroksiprogesteron i testosteron) <i>Determination of steroids content by LCMS/MS method (19-nortestosterone, 17-α-methyltestosterone, 17-β-estradiol, medroxyprogesterone-17 acetat, progesterone, medroxyprogesterone and testosterone)</i> | LOD 0,25-0,50 $\mu\text{g/l}$ | Steroids from urine, serum and plasma, MN Appl. No. 300550, modifikovana (MNA300500) | L1 |
| 165. | Biološki materijal (urin, serum, plazma) <i>Biological material (urine, serum, plasma)</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Određivanje hloramfenikola u urinu primjenom Enzyme Linked Immuno Sorbent Assay (ELISA) <i>Determination of Chloramphenicol in urine by Enzyme Linked Immuno Sorbent Assay (ELISA)</i> | $\text{CC}\beta \geq 0,050 \mu\text{g/kg}$ | Metoda prema uputstvu proizvođača kita: Method accor. to manufacturer's kit instructions: Microtiter plate based competitive enzyme immunoassay for screening and quantitative analysis of Chloramphenico | L1 |

Datum izdavanja dodatka: 26.12.2024.

Issue date of annex: 26.12.2024.

Zamjenjuje dodatak: 04.09.2024.

Replaces Annex dated: 04.09.2024.

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|------------------------------|--|---|---|--|--|------------------------------------|
| | | | | | I in various matrices, 5091 CAPF, Europroxima, Netherland (ELISA-HLR-141) | |
| 166. | Biološki materijal (urin, serum, plazma) <i>Biological material (urine, serum, plasma)</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Određivanje beta agonista u urinu primjenom Enzyme Linked Immuno Sorbent Assay (ELISA) <i>Determination of Beta Agonist in urine by Enzyme Linked Immuno Sorbent Assay (ELISA)</i> | (0,2-2) µg/kg | Metoda prema uputstvu proizvođača kita: Method accor. to manufacturer's kit instructions: Microtiter plate based competitive enzyme immunoassay for screening and quantitative analysis on the presence of a wide variety of Beta Agonist, 5061 BAGF, Europroxima, Netherland (ELISA-BA-143) | L1 |
| 167. | Biološki materijal (urin, serum, plazma) <i>Biological material (urine, serum, plasma)</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical testing</i> | Određivanje Diethylstilbestrol (DES) u urinu primjenom Enzyme Linked Immuno Sorbent Assay (ELISA) <i>Determination of diethylstilbestrol (DES) in urine by Enzyme Linked Immuno Sorbent Assay (ELISA)</i> | (0,5-16) µg/kg | <i>Metoda prema uputstvu proizvođača kita: Method according to the manufacturer's kit instructions:</i> A competitive enzyme immunoassay for screening and quantitative analysis of diethylstilbestrol (DES) in various | L1 |

Datum izdavanja dodatka: 26.12.2024.

Issue date of annex: 26.12.2024.

Zamjenjuje dodatak: 04.09.2024.

Replaces Annex dated: 04.09.2024.

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|------------------------------|--|--|---|--|--|------------------------------------|
| | | | | | matrices -5081 DES Europroxima, Netherland (ELISA-DES-145) | |
| 168. | Alkoholna pića, pivo i vino <i>Alcoholic beverages, beer and wine</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical analysis</i> | Određivanje sadržaja etanola u pivu metodom GC/FID-Head Space <i>Determination of ethanol in beer using GC/FID-Head Spacemet</i> | LOQ: 0,1% | interno razvijena metoda <i>in-house method</i> EP-GC/HS | L1 |
| 169. | Alkoholna pića <i>Alcoholic beverages</i> | Hemijska ispitivanja <i>Chemical testing</i> | Određivanje sadržaja metanola, etil-acetata, acetaldehida i viših alkohola u alkoholnim pićima metodom GC/FID-Head Space <i>Determination of the content of methanol, ethyl acetate, acetaldehyde and higher alcohols in alcoholic beverages using the GC/FID-Head Space method</i> | LOQ ≥ 7.5 mg/l | Interno razvijena metoda (in-house) GH-196 | L1 |
| 170. | Vino <i>Wine</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical analysis</i> | Određivanje ukupnog SO₂ u vinu volumetrijski <i>Determination of total SO₂ in wine by volumetric titration</i> | L.D. 10 mg/l | Dr Mihailo Daničić, Praktikum iz tehnologije vina (II izdanje), Poljoprivredni fakultet, Beograd, 1978, str. 141,143-144. (PTV-141) <i>Dr Mihailo Danicic,</i> | L1 |

Datum izdavanja dodatka: 26.12.2024.

Issue date of annex: 26.12.2024.

Zamjenjuje dodatak: 04.09.2024.

Replaces Annex dated: 04.09.2024.

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|------------------------------|--|--|---|--|--|------------------------------------|
| | | | | | <i>Practicum in wine technology (second edition), Faculty of Agriculture, Belgrade, 1978, p. 141,143-144 (PTV-141)</i> | |
| 171. | Vino <i>Wine</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical analysis</i> | Određivanje alkoholne jačine po zapremini piknometrijski <i>Determination of alcoholic strength by volume – picnometry method</i> | L. D. 1,5% | Method OIV-MA-AS312-01A Alcoholic strength by volume. Compendium of international methods of wine and must analysis, International Organisation of Vine and Wine, Ed.2016, Volume 1 | L1 |
| 172. | Vino <i>Wine</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical analysis</i> | Određivanje gustine na 20 °C piknometrijski <i>Determination of density at 20 °C - picnometry method</i> | (0,9610 – 0,9960) | Method OIV-MA-AS2-01A Type I methods Density and Specific Gravity at 20 °C. Compendium of international methods of wine and must analysis, International Organisation of Vine and Wine, Ed.2016, Volume 1 | L1 |
| 173. | Vino <i>Wine</i> | Fizičko-hemijska ispitivanja <i>Physical-</i> | Određivanje isparljivih kiselina volumetrijski <i>Determination of</i> | L.D. 0,4g/l - 0,65mEq/l | Method OIV-MA-AS313-02 Volatile Acidity. Compendium of | L1 |

Datum izdavanja dodatka: 26.12.2024.

Issue date of annex: 26.12.2024.

Zamjenjuje dodatak: 04.09.2024.

Replaces Annex dated: 04.09.2024.

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|------------------------------|--|--|---|--|--|------------------------------------|
| | | <i>chemical analysis</i> | <i>volatile acidity – volumetric method</i> | | international methods of wine and must analysis, International Organisation of Vine and Wine, Ed.2016, Vol. 1 | |
| 174. | Vino <i>Wine</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical analysis</i> | Određivanje redukujućih supstanci volumetrijski <i>Determination of reducing substances - volumetric method</i> | L.D. 0,05 g/l | Method OIV-MA-AS311-01A Reducing substances. Compendium of international methods of wine and must analysis, International Organisation of Vine and Wine, Edition 2016, Volume 1 | L1 |
| 175. | Vino <i>Wine</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical analysis</i> | Određivanje ukupne kiselosti volumetrijski <i>Determination of total acidity-volumetric method</i> | L.D. 0,09 g/l – 1,3mEq/l | Method OIV-MA-AS313-01 Total acidity. Compendium of international methods of wine and must analysis, International Organisation of Vine and Wine, Edition 2016, Volume 1. | L1 |
| 176. | Vino <i>Wine</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical analysis</i> | Određivanje ukupnog ekstrakta indirektno iz gustine vina <i>Determination of total dry matter indirectly from the wine's density</i> | L.D. 0,3 g/l | Method OIV-MA-AS2-03B Total dry matter. Compendium of international methods of wine and must analysis, | L1 |

Datum izdavanja dodatka: 26.12.2024.

Issue date of annex: 26.12.2024.

Zamjenjuje dodatak: 04.09.2024.

Replaces Annex dated: 04.09.2024.

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| | | | | | International Organisation of Vine and Wine, Edition 2016, Volume 1 | |
| 177. | Sokovi, sirupi i osvježavajuća bezalkoholna pića <i>Juices, syrups and non-alcoholic beverages</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical analysis</i> | Određivanje sadržaja vještačkih zaslađivača HPLC metodom (acesulfame K, aspartame, saharin) <i>Determination of artificial sweeteners by HPLC method (acesulfame K, aspartame, sachharine)</i> | Acesulfam K LOQ ≥ 0,6 mg/kg Aspartam LOQ ≥ 5 mg/kg Saharin i njegove natrijumove, kalijumove i kalcijumove soli LOQ ≥ 0,6 mg/kg | Merck KgaA Application Note 900727 (HPLCMERCK 02) | L1 |
| 178. | Sokovi, sirupi i osvježavajuća bezalkoholna pića <i>Juices, syrups and non-alcoholic beverages</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical analysis</i> | Određivanje sadržaja benzoeve i sorbinske kiseline u osvježavajućim bezalkoholnim pićima, voćnim sokovima, nektarima i srodnim proizvodima metodom HPLC-DAD <i>Determination of the content of benzoic and sorbic acid in refreshing non-alcoholic drinks, fruit juices, nectars and related products by HPLC-DAD method</i> | (2,5-500) mg/l | Validation of analytical method for determination of sorbic acid and benzoic acid in juice and carbonated beverages-Gomaa, A.M., Amer, M.E., Att Alah, E.R. and Abo Elhassan, A.F(Journal of Applied Sciences Researches, 9(3):1472-1476,2013 (TH-BSK-01) | L1 |
| 179. | Maslinovo ulje <i>Olive oil</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical analysis</i> | Određivanje slobodnih masnih kiselina kiselo-baznom titracijom (hladna metoda) <i>Determination of free</i> | L.D. 0,03% | Commision Reg. (EEC) No 2568/91 of 11 July 1991 on the characteristics of olive oil and | L1 |

Datum izdavanja dodatka: 26.12.2024.

Issue date of annex: 26.12.2024.

Zamjenjuje dodatak: 04.09.2024.

Replaces Annex dated: 04.09.2024.

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|------------------------------|--|--|--|--|---|------------------------------------|
| | | | <i>fatty acids by acid-base titration (cold method)</i> | | olive-residue oil and on the relevant methods of analysis (OJ L 248, 5.9.1991, p. 1), Annex II, pg. 24-26 | |
| 180. | Maslinovo ulje <i>Olive oil</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical analysis</i> | Određivanje peroksidnog broja jodometrijski <i>Determination of peroxide value by iodometry</i> | L.D. 0,1mEq O2/kg | Commission Regulation (EEC) No 2568/91 of 11 July 1991 on the characteristics of olive oil and olive-residue oil and on the relevant methods of analysis (OJ L 248, 5.9.1991, p.1), Annex III, pg. 27-28 | L1 |
| 181. | Maslinovo ulje <i>Olive oil</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical analysis</i> | Spektrofotometrijska analiza u ultraljubičastom području – Određivanje K₂₃₂, K₂₆₈ i ΔK <i>Spectrophotometric investigation in ultraviolet - Determination of K₂₃₂, K₂₆₈ i ΔK</i> | L.D. 0,1 | Commission Regulation (EEC) No 2568/91 of 11 July 1991 on the characteristics of olive oil and olive-residue oil and on the relevant methods of analysis (OJ L 248, 5.9.1991, p.1), Annex IX, pg. 56-57 | L1 |
| 182. | Ulja i masti biljnog i životinjskog porijekla <i>Oil and fats of vegetable and animal origin</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical analysis</i> | Određivanje metil estara masnih kiselina u uljima i mastima biljnog i životinjskog porijekla metodom gasne hromatografije | | MEST EN ISO 12966-2:2017 | L1 |

Datum izdavanja dodatka: 26.12.2024.

Issue date of annex: 26.12.2024.

Zamjenjuje dodatak: 04.09.2024.

Replaces Annex dated: 04.09.2024.

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|------------------------------|--|--|---|---|---|------------------------------------|
| | | | <i>Determination of fatty acids methyl esters in oils and fats of plant and animal origin by gas chromatography method</i> | | | |
| 183. | Vazduh – kvalitet vazduha ambijenta <i>Air – ambient air quality</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical analysis</i> | **Određivanje olova, kadmijuma, arsena i nikla u frakciji PM10 suspendovanih čestica primjenom atomske apsorpcione spektrofotometrije sa grafitnom peći (GFAAS) <i>**Measurement of lead, cadmium, arsenic and nickel in the PM10 fraction of suspended particulate matter by graphite furnace atomic absorptionspectrophotometry (GFAAS)</i> | L.D. (Pb): 15 ng/m ³ L.D. (Cd): 3 ng/m ³ L.D. (As): 3 ng/m ³ L.D. (Ni): 1 ng/m ³ | MEST EN 14902:2011 | L1 |
| 184. | Vazduh – kvalitet vazduha ambijenta <i>Air – ambient air quality</i> | Hemijska ispitivanja <i>Chemical testing</i> | Određivanje olova, kadmijuma, arsena i nikla u frakciji PM10 suspendovanih čestica primjenom primjenom masene spektrometrije sa indukovanom spregnutom plazmom (ICP-MS) <i>Determination of lead, cadmium, of arsenic and nickel in the PM10 fraction of suspended particles using inductively coupled plasma mass</i> | LD Pb 5 ng/m ³ LD Cd 0.5 ng/m ³ LD As 0.5 ng/m ³ LD Ni 1 ng/m ³ | MEST EN 14902:2011 | L1 |

Datum izdavanja dodatka: 26.12.2024.

Issue date of annex: 26.12.2024.

Zamjenjuje dodatak: 04.09.2024.

Replaces Annex dated: 04.09.2024.

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|------------------------------|--|--|---|--|---|------------------------------------|
| | | | spectrometry (ICP-MS) | | | |
| 185. | Vazduh – kvalitet vazduha ambijenta <i>Air – ambient air quality</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical analysis</i> | Gravimetrijsko određivanje masene frakcije PM_{2,5} ili PM₁₀ suspendovanih čestica <i>Gravimetric measurement method for the determination of the PM₁₀ or PM_{2,5} mass concentration of suspended particulate matter</i> | OM: (µg/m ³) PM ₁₀ 1-150 PM _{2,5} 1-120 LD: 1 | MEST EN 12341:2016 | L1 |
| 186. | Vazduh – kvalitet vazduha ambijenta <i>Air – ambient air quality</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical analysis</i> | **Određivanje koncentracije benzo(a)pirena u vazduhu ambijenta <i>**Measurement of the concentration of benzo(a)pyrene in ambient air</i> | LOQ 0,02µg/m ³ | MEST EN 15549:2011 | L1 |
| 187. | Vazduh – kvalitet vazduha ambijenta <i>Air – ambient air quality</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical analysis</i> | *Određivanje koncentracije benzena - Automatsko uzorkovanje pumpom sa gasnom hromatografijom na licu mjesta <i>*Measurement of benzene concentration – Automated pumped sampling with in situ gas chromatography</i> | OM: (µg/m ³) 0-50 LD: 0,11 | MEST EN 14662-3:2017 | L1 |
| 188. | Vazduh – kvalitet vazduha ambijenta <i>Air – ambient air quality</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical</i> | *Određivanje ugljen monoksida u vazduhu - nedisperzivna infracrvena | OM: (µg/m ³) 0-100000 LD: 58 (0-100000) 0,5% (>100000) | MEST EN 14626:2014 | L1 |

Datum izdavanja dodatka: 26.12.2024.

Issue date of annex: 26.12.2024.

Zamjenjuje dodatak: 04.09.2024.

Replaces Annex dated: 04.09.2024.

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|------------------------------|---|--|--|--|---|------------------------------------|
| | | <i>analysis</i> | spektroskopija <i>*Measurement of the concentration of carbon monoxide in the air - non-dispersive infrared spectroscopy</i> | | | |
| 189. | Vazduh – kvalitet vazduha ambijenta <i>Air – ambient air quality</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical analysis</i> | *Određivanje azot dioksida i azot monoksida u vazduhu - hemiluminiscencija <i>*Measurement of the concentration of nitrogen dioxide and nitrogen monoxide in the air-chemiluminescence</i> | OM: ($\mu\text{g}/\text{m}^3$) 0-1200 LD: 0,96 (0-382,4) 0,5% (>382,4) | MEST EN 14211:2014 | L1 |
| 190. | Vazduh – kvalitet vazduha ambijenta <i>Air – ambient air quality</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical analysis</i> | *Određivanje ozona u vazduhu - ultraljubičasta fotometrija <i>*Measurement of the concentration of ozone in the air - ultraviolet photometry</i> | OM: ($\mu\text{g}/\text{m}^3$) 0-500 LD: 1 (0-400) 0,5% (>400) | MEST EN 14625:2014 | L1 |
| 191. | Vazduh – kvalitet vazduha ambijenta <i>Air – ambient air quality</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical analysis</i> | *Određivanje sumpor dioksida u vazduhu - ultraljubičasta fluorescencija <i>*Measurement of the concentration of sulphur dioxide in the air - ultraviolet fluorescence</i> | OM: ($\mu\text{g}/\text{m}^3$) 0-1000 LD: 1,33 (0-532) 0,5% (>532) | MEST EN 14212:2014 | L1 |
| 192. | Vazduh - emisije iz stacionarnih izvora <i>Air- stationary source emissions</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical analysis</i> | *Određivanje masene koncentracije ugljen monoksida (CO) - nedisperzivna infracrvena spektrometrija | OM: (ppm) (0-60/100/200/250/500/1000) LD: 0,53 ppm | MEST EN 15058:2017 | L1 |

Datum izdavanja dodatka: 26.12.2024.

Issue date of annex: 26.12.2024.

Zamjenjuje dodatak: 04.09.2024.

Replaces Annex dated: 04.09.2024.

| Red Br. <i>No.</i> | Predmet ispitivanja/ materijal/ proizvod <i>Testing item/ material/product</i> | Oblast ispitivanja <i>Field of testing</i> | Vrsta ispitivanja i/ili karakteristika koja se mjeri (tehnika ispitivanja) <i>Type of test and/or property measured (testing technique)</i> | Opseg mjerenja (gdje je primjenjivo) <i>Measuring range (where applicable)</i> | Referentni dokument <i>Reference document</i> | Lokacija <i>Location</i> |
|------------------------------|---|--|--|--|---|------------------------------------|
| | | | <i>*Determination of the mass concentration of carbon monoxide (CO) - non-dispersive infrared spectrometry</i> | | | |
| 193. | Vazduh - emisije iz stacionarnih izvora <i>Air- stationary source emissions</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical analysis</i> | *Određivanje masene koncentracije oksida azota-hemiluminiscencija <i>*Determination of mass concentration of nitrogen oxides - chemiluminescence</i> | OM: (ppm) (0-25/50/100/250/500/1000/2500) LD: 0,91 ppm | MEST EN 14792:2017 | L1 |
| 194. | Vazduh - emisije iz stacionarnih izvora <i>Air- stationary source emissions</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical analysis</i> | *Određivanje zapreminske koncentracije kiseonika (O₂) - paramagnetizam <i>*Determination of volume concentration of oxygen (O₂) - paramagnetism</i> | OM: (vol%) (0-5/10/25) LD: 0,31 vol% | MEST EN 14789:2017 | L1 |
| 195. | Vazduh - emisije iz stacionarnih izvora <i>Air- stationary source emissions</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical analysis</i> | *Određivanje masene koncentracije sumpor dioksida-automatska mjerna metoda <i>*Determination of the mass concentration of sulfur dioxide – automated measuring methods</i> | OM: (ppm) (0-10/100/200/500/1000) LD: 1,20 ppm | MEST CEN/TS 17021:2019 | L1 |
| 196. | Vazduh - emisije iz stacionarnih izvora <i>Air- stationary source emissions</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical analysis</i> | *Određivanje masene koncentracije ukupnog gasovitog organskog ugljenika pri niskim koncentracijama u dimnim gasovima – Metoda kontinualne | OM: (ppm) (0-10/100/1000/10000) LD: 0,60 ppm | MEST EN 12619:2013 | L1 |

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Replaces Annex dated: 04.09.2024.

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|------------------------------|---|--|---|--|---|------------------------------------|
| | | | plameno jonizacione detekcije <i>*Determination of the mass concentration of total gaseous organic carbon - Continuous flame ionisation detector method</i> | | | |
| 197. | Vazduh - emisije iz stacionarnih izvora <i>Air- stationary source emissions</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical analysis</i> | **Određivanje prašine u opsegu niskih masenih koncentracija - manuelna gravimetrijska metoda <i>** Determination of low range mass concentration of dust - manual gravimetric method</i> | OM: (mg/m ³) (0-50) LD: 0,3 mg/m ³ | MEST EN 13284-1:2018 | L1 |
| 198. | Vazduh - emisije iz stacionarnih izvora <i>Air- stationary source emissions</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical analysis</i> | **Određivanje ukupne emisije As, Cd, Cr, Co, Cu, Mn, Pb, Sb, Ti, V primjenom indukovanog spregnute plazme – optičke emisije spektrometrije (ICP-OES) <i>**Determination of the total emission of As, Cd, Cr, Co, Cu, Mn, Ni, Pb, Sb, TI and V by inductively coupled plasma-optical emission spectrometry (ICP-OES)</i> | L.D.(As): 0,35 µg/m ³ L.D.(Cd): 0,02 µg/m ³ L.D.(Cr): 0,04 µg/m ³ L.D.(Co): 0,04 µg/m ³ L.D.(Cu): 0,02 µg/m ³ L.D.(Mn): 0,002 µg/m ³ L.D.(Ni): 0,08 µg/m ³ L.D.(Pb): 0,45 µg/m ³ L.D.(Sb): 0,12 µg/m ³ L.D.(TI): 0,36 µg/m ³ L.D.(V): 0,02 µg/m ³ | MEST EN 14385:2011 | L1 |
| 199. | Vazduh - emisije | Fizičko- | **Određivanje | Naphtalene 0,10 µg/m ³ | IS O 11338-1:2003 ISO 11338-2:2003 | L1 |

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Zamjenjuje dodatak: 04.09.2024.

Replaces Annex dated: 04.09.2024.

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|----------------------------------|--|--|--|---|---|--|
| | iz stacionarnih izvora <i>Air- stationary source emissions</i> | hemijska ispitivanja <i>Physical-chemical analysis</i> | gasovitih i čestično vezanih policikličnih aromatičnih ugljovodnika <i>**Determination of gas and particle-phase polycyclic aromatic hydrocarbons (Naphtalene, Acenaphthylene, Acenaphthene, Fluorene, Phenanthrene, Anthracene, Fluoranthene, Pyrene, Benzo (a) anthracene, Chrysene, enzo(b)fluoranthene, Benz (k) fluoranthene, Benzo (a) pyrene, Indeno (1,2,3-cd) pyrene, Dibenzo (a,h) anthracene, Benzo (g,h,i) perylene)</i> | Acenaphthylene 0,01 µg/m ³ Acenaphthene 0,04 µg/m ³ Fluorene 0,04 µg/m ³ Phenanthrene 0,09 µg/m ³ Anthracene 0,01 µg/m ³ Fluoranthene 0,09 µg/m ³ Pyrene 0,08 µg/m ³ Benzo (a) anthracene 0,02 µg/m ³ Chrysene 0,02 µg/m ³ Benzo (b) fluoranthene 0,03 µg/m ³ Benzo (k) fluoranthene 0,01 µg/m ³ Benzo (a) pyrene 0,01 µg/m ³ Indeno (123-cd) pyrene 0,02 µg/m ³ Dibenzo (a,h) anthracene 0,01 µg/m ³ Benzo (g,h,i) perylene 0,01 µg/m ³ | | |
| 200. | Vazduh - emisije iz stacionarnih izvora <i>Air- stationary source emissions</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical analysis</i> | *Mjerenje brzine i zapreminskog protoka gasne struje u kanalima <i>*Measurement of velocity and volume flowrate of gas streams in ducts</i> | OM: (Pa) (-100-2600) LD: 5Pa | ISO 10780:1994 | L1 |
| 201. | Vazduh - emisije iz stacionarnih izvora <i>Air- stationary source emissions</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical</i> | *Određivanje vodene pare u ventilacionim otvorima <i>*Determination of the</i> | OM: (g/m³) (29-250 za vlažni gas) LD: 29 g/m ³ | MEST EN 14790:2017 | L1 |

Datum izdavanja dodatka: 26.12.2024.

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Zamjenjuje dodatak: 04.09.2024.

Replaces Annex dated: 04.09.2024.

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|------------------------------|--|--|--|---|---|------------------------------------|
| | | <i>analysis</i> | <i>water vapour in ducts</i> | | | |
| 202. | Sediment/ Zemljište <i>Sediment/Soil</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical analysis</i> | Određivanje elemenata rastvornih u carskoj vodi primjenom spregnute plazme – optičke emisije spektrometrije (ICP-OES) <i>Determination of elements in aqua regia by inductively coupled plasma-optical emission spectrometry (ICP-OES)</i> | LOQ Cd 0,2 mg/kg LOQ Pb 1 mg/kg LOQ Co 1 mg/kg LOQ Cr 0,2 mg/kg LOQ Ni 0,2 mg/kg LOQ Cu 0,2 mg/kg LOQ Zn 0,2 mg/kg LOQ Mo 1 mg/kg LOQ As 2 mg/kg LOQ B 1 mg/kg | EPA 3051a Microwave assisted acid digestion of sediments, sludges, soils and oils | L1 |
| 203. | Sediment/ Zemljište <i>Sediment/Soil</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical analysis</i> | Određivanje žive živinim analizatorom <i>Determination of mercury by mercury analyzer</i> | L.D.: 0,01 mg/kg | Organic application note Leco AMA 254, Form no. 203-823-112, Leco corporation, 1999. (AMA-112) | L1 |
| 204. | Sediment/ Zemljište <i>Sediment/Soil</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical analysis</i> | Određivanje sadržaja organokalajnih jedinjenja – metoda gasne hromatografije <i>Determination of organotin compounds - gas chromatographic method</i> (Monobutilkalaj, Dibutilkalaj, Tributilkalaj, Tetrabutilkalaj, Monoooktilkalaj, Dioktilkalaj, | L.D.: 0,004 mg/kg | MEST EN ISO 23161:2020, mod. | L1 |

Datum izdavanja dodatka: 26.12.2024.

Issue date of annex: 26.12.2024.

Zamjenjuje dodatak: 04.09.2024.

Replaces Annex dated: 04.09.2024.

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|------------------------------|--|--|--|--|---|------------------------------------|
| | | | Trifenilkalaj, Tricikloheksilkalaj) | | | |
| 205. | Sediment/ Zemljište <i>Sediment/Soil</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical analysis</i> | Određivanje organofosfornih pesticide <i>Determination of organophosphorine pesticides (Dichlorvos, Metachrifos, Fonofos, Diazinon, Chlorpyrifos-methyl, Parathion-methyl, Chlorpyrifos, Fenthion, Pirimiphos-methyl, Chlorfenvinphos, Fenamiphos, Profenofos, Ethion, Triazophos, Phosmet, Phosalone)</i> | LOQ 0,01mg/kg | EPA Method 8270 D-Semivolatile organic compounds by gas chromatography / mass spectrometry (GC/MS) | L1 |
| 206. | Sediment/ Zemljište <i>Sediment/Soil</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical analysis</i> | Određivanje organohlornih pesticide <i>Determination of organochlorine pesticides (HCH-alpha, HCH-beta, HCH-gamma, HCB-delta, Heptachlor, Aldrin, Heptachlor epoxide (cis), Chlordane-trans (gamma), Chlordane-cis (alfa), Dieldrin, DDE-p,p', DDD-p,p', DDT-p,p', Endrin, Endosulfan-alpha, Endosulfan-beta, Endrine aldehyde, Endosulfan sulphate, Methoxychlor)</i> | L.D.: 0.01-0.03 mg/kg | EPA Method 8270 D-Semivolatile organic compounds by gas chromatography / mass spectrometry (GC/MS) | L1 |
| 207. | Sediment/ | Fizičko- | Određivanje | LOQ 0,001- | EPA Method | L1 |

Datum izdavanja dodatka: 26.12.2024.

Issue date of annex: 26.12.2024.

Zamjenjuje dodatak: 04.09.2024.

Replaces Annex dated: 04.09.2024.

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|----------------------------------|--|--|---|---|--|--|
| | Zemljište <i>Sediment/Soil</i> | hemijska ispitivanja <i>Physical-chemical analysis</i> | organohlornih pesticide <i>Determination of organochlorine pesticides (HCH-alpha, HCH-beta, HCH-gamma, HCB-delta, Heptachlor, Aldrin, Heptachlor epoxide (cis), Chlordane-trans (gamma), Chlordane-cis (alfa), Dieldrin, DDE-p,p', DDD-p,p', DDT-p,p', Endrin, Endosulfan-alpha, Endosulfan-beta, Endrine aldehyde, Endosulfan sulphate, Methoxychlor)</i> | 0,005mg/kg | 8080 A-Oragnochlorine pesticides and polychlorinated biphenyls bay gas chromatography | |
| 208. | Sediment/ Zemljište <i>Sediment/Soil</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical analysis</i> | Određivanje policikličnih aromatskih ugljovodonika <i>Determination of polycyclic aromatic hydrocarbons (Naphtalene, Acenaphtylene, Acenaphtene, Fluorene, Phenanthrene, Anthracene, Fluoranthene, Pyene, Benzo (a) anthracene, Chrysene, Benzo(b)fluoranthene, Benzo (k) fluoranthene, Benzo (a) pyrene, Indeno (1,2,3-cd) pyrene, Dibenzo (a,h) anthracene, Benzo (g,h,i) perylene)</i> | LOQ: Naphtalene 0,05mg/kg <i>Acenaphtylene, Acenaphtene, Fluorene, Phenanthrene, Anthracene, Fluoranthene, Pyene, Benzo (a) anthracene, Chrysene, benzo(b)fluoranthene, Benz (k) fluoranthene, Benzo (a) pyrene, Indeno (1,2,3-cd) pyrene, Dibenzo (a,h) anthracene, Benzo (g,h,i) perylene)</i> 0,005mg/kg | EPA Method 8270 D-Semivolatile organic compounds by gas chromatography /mass spectrometry (GC/MS) | L1 |

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Issue date of annex: 26.12.2024.

Zamjenjuje dodatak: 04.09.2024.

Replaces Annex dated: 04.09.2024.

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|------------------------------|--|--|--|--|--|------------------------------------|
| 209. | Sediment/ Zemljište <i>Sediment/Soil</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical analysis</i> | Određivanje polihlorovanih bifenila <i>Determination of polychlorinated byphenils (PCB 18, PCB 28, PCB 31, PCB 44, PCB 52, PCB 101, PCB 118, PCB 138, PCB 149, PCB 153, PCB 180, PCB 194)</i> | LOQ 0,001mg/kg | EPA Method 8270 D-Semivolatile organic compounds by gas chromatography /mass spectrometry (GC/MS) | L1 |
| 210. | Sediment/ Zemljište <i>Sediment/Soil</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical analysis</i> | Određivanje polihlorovanih bifenila <i>Determination of polychlorinated byphenils (PCB 18, PCB 28, PCB 31, PCB 44, PCB 52, PCB 101, PCB 118, PCB 138, PCB 149, PCB 153, PCB 180, PCB 194)</i> | LOQ 0,001mg/kg | EPA Method 8080 A-Organochlorine pesticides and polychlorinated biphenyls by gas chromatography | L1 |
| 211. | Sediment/ Zemljište <i>Sediment/Soil</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical analysis</i> | Određivanje ukupnog sadržaja aluminijuma, arsena, kadmijuma, kobalta, hroma, bakra, gvožđa, mangana, nikla, olova, vanadijuma i cinka <i>Determination of the total content of aluminium, arsenic, cadmium, cobalt, chromium, copper, iron, manganese, nickel, lead, vanadium and zinc</i> | LOQ Al 170 mg/kg LOQ As 2 mg/kg LOQ Cd 0.07 mg/kg LOQ Co 1 mg/kg LOQ Cr 1 mg/kg LOQ Cu 2 mg/kg LOQ Fe 5 mg/kg LOQ Mn 2 mg/kg LOQ Ni 1 mg/kg LOQ Pb 1 mg/kg LOQ V 2 mg/kg LOQ Zn 2 mg/kg | Training workshop on the analysis of trace metals in biological and sediment samples, Laboratory Procedure Book, International Atomic Energy Agency Marine Environment Laboratory | L1 |

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Issue date of annex: 26.12.2024.

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|------------------------------|--|--|---|---|---|------------------------------------|
| 212. | Sediment/ Zemljište <i>Sediment/Soil</i> | Fizičko-hemijska ispitivanja <i>Physicalchemical testing</i> | Određivanje per- i polifluoroalkilnih supstanci (PFAS) u uzorcima zemljišta i sedimenta metodom LCMS/MS Lista pesticida ⁵⁾ <i>Determination of per- and polyfluoroalkyl substances (PFAS) in soil and sediment samples by LCMS/MS</i> | LoQ - 0,02 µg/kg | Method EPA 1633 Analysis of Per- and Polyfluoroalkyl Substances (PFAS) in Aqueous, Solid, Biosolids, and Tissue Samples by LC-MS/MS | L1 |
| 213. | Otpad <i>Waste</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical analysis</i> | Određivanje sadržaja policikličnih aromatskih ugljovodonika (PAH) u otpadu - gasna hromatografija sa masenom spektrometrijom (GC/MS) <i>Determination of polycyclic aromatic hydrocarbons (PAH) in waste by GC/MS ((Naphtalene, Acenaphtylene, Acenaphtene, Fluorene, Phenanthrene, Anthracene, Fluoranthene, Pyene, Benzo (a) anthracene, Chrysene, benzo(b)fluoranthene, Benzo (k) fluoranthene, Benzo (a) pyrene, Indeno (1,2,3-cd) pyrene, Dibenzo (a,h) anthracene, Benzo (g,h,i) perylene, 0,005mg/kg</i> | LOQ Naphtalene 0,05mg/kg <i>Acenaphtylene, Acenaphtene, Fluorene, Phenanthrene, Anthracene, Fluoranthene, Pyene, Benzo (a) anthracene, Chrysene, benzo(b)fluoranthene, Benzo (k) fluoranthene, Benzo (a) pyrene, Indeno (1,2,3-cd) pyrene, Dibenzo (a,h) anthracene, Benzo (g,h,i) perylene)</i> 0,005mg/kg | MEST EN 15527:2018, mod. | L1 |

Datum izdavanja dodatka: 26.12.2024.

Issue date of annex: 26.12.2024.

Zamjenjuje dodatak: 04.09.2024.

Replaces Annex dated: 04.09.2024.

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| | | | <i>anthracene, Benzo (g,h,i) perylene)</i> | | | |
| 214. | Otpad <i>Waste</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical analysis</i> | Određivanje ukupnog sadržaja kadmijuma, kobalta, bakra, nikla, mangana, olova i cinka u otpadu primjenom indukovano spregnute plazme – optičke emisije spektrometrije (ICP-OES) <i>Determination of total content of cadmium, cobalt, copper, nickel, manganese, lead and zinc in waste by inductively coupled plasma- optical emission spectrometry (ICP-OES)</i> | LOQ (Cd): 0,2 mg/kg LOQ (Co): 2 mg/kg LOQ (Cu): 1 mg/kg LOQ (Ni): 1 mg/kg LOQ (Mn): 0,5 mg/kg LOQ (Pb): 2 mg/kg LOQ (Zn): 1 mg/kg LOQ (Ba): 5 mg/kg LOQ (As): 1 mg/kg LOQ (Cr): 5 mg/kg | MEST EN 13656:2018 EPA 200.7 Determination of Metals and Trace Elements in Water and Wastes by Inductively Coupled Plasma-Atomic Spectrometry | L1 |
| 215. | Transformatorska ulja <i>Transformer oil</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical analysis</i> | Određivanje sadržaja polihlorovanih bifenila (PCB) u transformatorskim uljima - gasna hromatografija sa kapilarnom kolonom <i>Determination of polychlorinated biphenyls (PCB) in transformer oil by capillary column gas chromatography</i> | LOQ: 2mg/kg | MEST EN 61619:2013 | L1 |
| 216. | Transformatorska ulja <i>Transformer oil</i> | Fizičko-hemijska ispitivanja <i>Physical-chemical analysis</i> | Kvalitativno određivanje prisutva Polihlorovanih bifenila u transformatorskom | LOQ 50mg/kg | EPA Method 9079-Screening test method for polychlorinated biphenyls in transformer oil | L1 |

Datum izdavanja dodatka: 26.12.2024.

Issue date of annex: 26.12.2024.

Zamjenjuje dodatak: 04.09.2024.

Replaces Annex dated: 04.09.2024.

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|------------------------------|--|---|---|--|--|------------------------------------|
| | | | ulju skринing metodom <i>Qualitative determination of polychlorinated biphenyls in transformer oil by screening method</i> | | | |
| 217. | Voda <i>Water</i> | Ispitivanja radioaktivnosti <i>Testing of radioactivity</i> | Gamaspektrometrijska ispitivanja – ispitivanje sadržaja radionuklida u vodi <i>Gammasspectrometric measurements in water – measurements of radionuclides in water</i> | L.D: 1×10^{-3} Bq/l | “Measurement of Radionuclides in Food and the Environment, A Guidebook” IAEA Technical Reports Series No. 295. 1989. | L1 |
| 218. | Voda <i>Water</i> | Ispitivanja radioaktivnosti <i>Testing of radioactivity</i> | Ispitivanje sadržaja tricijuma (3H) u vodi <i>Measurements of Tritium in water</i> | LD: 2 Bq/l | ASTM D4107 – 08 Standard Test Method for Tritium in Drinking Water | L1 |
| 219. | Voda <i>Water</i> | Ispitivanja radioaktivnosti <i>Testing of radioactivity</i> | Određivanje ukupne alfa i ukupne beta aktivnosti u vodi <i>Determination of Gross Alpha and Gross Beta radioactivity in water</i> | Alfa/Alpha: LD: 0.001 Bq/l Beta: LD: 0.001 Bq/l | US EPA Method 900.0: Gross Alpha and Gross Beta Radioactivity in Drinking Water | L1 |
| 220. | Vazduh <i>Air</i> | Ispitivanja radioaktivnosti <i>Testing of radioactivity</i> | Gamaspektrometrijska ispitivanja – Ispitivanje sadržaja radionuklida u vazduhu <i>Gammasspectrometric measurements in air – measurements of radionuclides in air</i> | L.D: 9×10^{-6} Bq/m ³ | “Measurement of Radionuclides in Food and the Environment, A Guidebook” IAEA Technical Reports Series No. 295. 1989. | L1 |
| 221. | Vazduh <i>Air</i> | Ispitivanja radioaktivnosti <i>Testing of</i> | Ispitivanje sadržaja ²²²Rn i ²²⁰Rn u vazduhu <i>Measurements of</i> | L.D.: 4 Bq/m ³ | US Environmental Protection Agency Office of | L1 |

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Zamjenjuje dodatak: 04.09.2024.

Replaces Annex dated: 04.09.2024.

| Red Br. <i>No.</i> | Predmet ispitivanja/ materijal/ proizvod <i>Testing item/ material/produ ct</i> | Oblast ispitivanja <i>Field of testing</i> | Vrsta ispitivanja i/ili karakteristika koja se mjeri (tehnika ispitivanja) <i>Type of test and/or property measured (testing technique)</i> | Opseg mjerjenja (gdje je primjenjivo) <i>Measuring range (where applicable)</i> | Referentni dokument <i>Reference document</i> | Lok acij a <i>Loca tion</i> |
|------------------------------|---|--|--|---|---|---|
| | | <i>radioactivity</i> | <i>²²²Rn and ²²⁰Rn in the air</i> | | Air and Radiation(6604J) : “Indor Radon and Radon Dacay Product Measuremnt Device Protocols” EPA 402-R-92- 004, July 1992 (revised) | |
| 222. | Vazduh <i>Air</i> | Ispitivanja radioaktivnos ti <i>Testing of radioactivity</i> | Ispitivanje sadržaja ²²²Rn u vazduhu detektorima tragova CR39 <i>Measurements of ²²²Rn in air by CR 39 detector</i> | LD: 5.6 Bq/m ³ | ISO 11665- 4:2021 | L1 |
| 223. | Vazduh <i>Air</i> | Ispitivanja radioaktivnos ti <i>Testing of radioactivity</i> | Ispitivanje sadržaja ²²²Rn u vazduhu Elektretima <i>Measurements of ²²²Rn in the air by Electrets</i> | LD: 7 Bq/m ³ | ISO 11665- 4:2021 | L1 |
| 224. | Zemljište <i>Soil</i> | Ispitivanja radioaktivnos ti <i>Testing of radioactivity</i> | Gamaspektrometrijs ka ispitivanja – Ispitivanje sadržaja radionuklida u zemljištu <i>Gammaspectrometric measurements in soil – measurements of radionuclides in soil</i> | L.D: 0.1 Bq/kg | “Measurement of Radionuclides in Food and the Environment, A Guidebook” IAEA Technical Reports Series No. 295. 1989. EML Procedures Manual HASL 300, 28 Edition – U.S. Department of Energy, Environmental Measurements Laboratory | L1 |
| 225. | Hrana <i>Food</i> | Ispitivanja radioaktivnos ti | Gamaspektrometrijs ka ispitivanja – Ispitivanje sadržaja | L.D: 0.1 Bq/kg | Measurement of Radionuclides in Food and the | L1 |

Datum izdavanja dodatka: 26.12.2024.

Issue date of annex: 26.12.2024.

Zamjenjuje dodatak: 04.09.2024.

Replaces Annex dated: 04.09.2024.

| Red Br. <i>No.</i> | Predmet ispitivanja/ materijal/ proizvod <i>Testing item/ material/product</i> | Oblast ispitivanja <i>Field of testing</i> | Vrsta ispitivanja i/ili karakteristika koja se mjeri (tehnika ispitivanja) <i>Type of test and/or property measured (testing technique)</i> | Opseg mjerenja (gdje je primjenjivo) <i>Measuring range (where applicable)</i> | Referentni dokument <i>Reference document</i> | Lokacija <i>Location</i> |
|------------------------------|--|---|--|--|---|------------------------------------|
| | | <i>Testing of radioactivity</i> | radionuklida u hrani <i>Gammaspectrometric measurements in food – measurements of radionuclides in food</i> | | Environment, A Guidebook” IAEA Technical Reports Series No. 295. 1989 | |
| 226. | Građevinski material <i>Building material</i> | Ispitivanja radioaktivnosti <i>Testing of radioactivity</i> | Gamaspektrometrijska ispitivanja – Ispitivanje sadržaja radionuklida u građevinskom materijalu <i>Gammaspectrometric measurements in building material – measurements of radionuclides content in building materials</i> | L.D: 0.1 Bq/kg | “Measurement of Radionuclides in Food and the Environment, A Guidebook” IAEA Technical Reports Series No. 295. 1989. | L1 |
| 227. | Spoljašnje zračenje <i>External radiation</i> | Ispitivanja radioaktivnosti <i>Testing of radioactivity</i> | *Dozimetrijska mjerenja <i>*Dosimetric measurements</i> | L.D: 0.01 x 10 ⁻⁶ Gy/h | interno razvijena metoda <i>in-house method ZZM-DM-SZ</i> | |
| 228. | Izvori jonizujućih zračenja <i>Sources of ionising radiation</i> | Ispitivanja radioaktivnosti <i>Testing of radioactivity</i> | *Dozimetrijska mjerenja <i>*Dosimetric measurements</i> | | Pravilnik o uslovima za promet i korišćenje radioaktivnih meterija, rendgen aparata i drugih uređaja koji proizvode jonizujuća zračenja (“Sl. list SRJ”, br. 32/98) <i>Rulebook on conditions for traffic and use of radioactive material and other devices which generate ionising radiation (“Off. gazette of</i> | |

Datum izdavanja dodatka: 26.12.2024.

Issue date of annex: 26.12.2024.

Zamjenjuje dodatak: 04.09.2024.

Replaces Annex dated: 04.09.2024.

| Red Br. <i>No.</i> | Predmet ispitivanja/ materijal/ proizvod <i>Testing item/ material/product</i> | Oblast ispitivanja <i>Field of testing</i> | Vrsta ispitivanja i/ili karakteristika koja se mjeri (tehnika ispitivanja) <i>Type of test and/or property measured (testing technique)</i> | Opseg mjerenja (gdje je primjenjivo) <i>Measuring range (where applicable)</i> | Referentni dokument <i>Reference document</i> | Lokacija <i>Location</i> |
|------------------------------|--|---|--|--|--|------------------------------------|
| | | | | | FRY", No. 32/98) Barracuda & QABrowser-Reference manual – Version 3.2A | |
| 229. | Nivo kontaminacije radnih i boravišnih površina i životne sredine/ dekontaminacija <i>Contamination in the workplaces and environment/ decontamination</i> | Ispitivanja radioaktivnosti <i>Testing of radioactivity</i> | *Dozimetrijska mjerenja, Gammaspektrometrijska ispitivanja – Ispitivanje sadržaja radionuklida <i>*Dosimetric measurement, Gammaspectrometric measurements – measurements of radionuclides</i> | L.D.: 1 Bq/m ² | Pravilnik o granicama radioaktivne kontaminacije životne sredine i o načinu sprovođenja dekontaminacije ("Sl. list SRJ", br. 9/99) <i>Rulebook on limits of radioactive contamination of environment and its decontamination ("Sl. list SRJ", br. 9/99)</i> New Methods and Techniques for decontamination in maintenance or decommissioning operations IAEA TECDDOC 1022 1998 | |
| 230. | Nivo ličnog ekvivalenta doze Hp(10) <i>Personal dose equivalent Hp(10)</i> | Ispitivanja radioaktivnosti <i>Testing of radioactivity</i> | Termoluminiscentna dozimetrija <i>Thermoluminescence dosimetry</i> | L.D.: 50 µSv | IAEA Safety standards series Assessment of occupational radiation protection No GSG – 7 | L1 |
| 231. | Buka | Akustička | *Mjerenje buke u | Opseg/Range: | MEST ISO 1996- | |

Datum izdavanja dodatka: 26.12.2024.

Issue date of annex: 26.12.2024.

Zamjenjuje dodatak: 04.09.2024.

Replaces Annex dated: 04.09.2024.

| Red Br. <i>No.</i> | Predmet ispitivanja/ materijal/ proizvod <i>Testing item/ material/product</i> | Oblast ispitivanja <i>Field of testing</i> | Vrsta ispitivanja i/ili karakteristika koja se mjeri (tehnika ispitivanja) <i>Type of test and/or property measured (testing technique)</i> | Opseg mjerenja (gdje je primjenjivo) <i>Measuring range (where applicable)</i> | Referentni dokument <i>Reference document</i> | Lokacija <i>Location</i> |
|------------------------------|--|--|---|--|---|------------------------------------|
| | <i>Noise</i> | ispitivanja <i>Acoustic measurements</i> | životnoj sredini <i>*The measurement of environmental noise</i> | 20-130 dB | 1:2018 MEST ISO 1996-2:2018 | |
| 232. | Buka <i>Noise</i> | Akustička ispitivanja <i>Acoustic measurements</i> | <i>*Mjerenje buke u radnoj sredini</i> <i>*The measurement of noise in the workplace</i> | Opseg/Range: 20-130 dB | MEST EN ISO 9612:2009 | |

| Uzorkovanje | | | |
|--------------------|--|---|--|
| R. b | Predmet uzorkovanja Material/proizvod | Vrsta uzorkovanja | Referentni dokument |
| 1 | Površinske, podzemne, morske i otpadne vode <i>Surface, underground, sea and waste water</i> | *Uzorkovanje za potrebe fizičko hemijskih ispitivanja <i>*Sampling for physical and chemical analysis</i> | MEST EN ISO 5667-1:2023 MEST EN ISO 5667-3:2020 MEST ISO 5667-4:2020 MEST EN ISO 5667-6:2017 MEST EN ISO 5667-6:2017 /A11:2023 MEST ISO 5667-10:2021 MEST ISO 5667-11:2017 |
| 2 | Zemljište, sediment <i>Soil, sediment</i> | *Uzorkovanje za potrebe fizičko hemijskih ispitivanja <i>*Sampling for physical and chemical analysis</i> | ISO 18400-101:2017 ISO 18400-102:2017 ISO 18400-103:2017 ISO 18400-104:2018 ISO 18400-202:2018 ISO 18400-203:2018 ISO 18400-205:2018 MEST EN ISO 5667-19:2012 |

Datum izdavanja dodatka: 26.12.2024.

Issue date of annex: 26.12.2024.

Zamjenjuje dodatak: 04.09.2024.

Replaces Annex dated: 04.09.2024.

1) Lista pesticida / List of pesticides - GC-MS/MS tehnika (za metodu br.152 / for method N^o152):

| R. Br. <i>No.</i> | PESTICID <i>PESTICIDE</i> | GRUPA <i>GROUP</i> |
|-----------------------------|-------------------------------------|------------------------------|
| 1. | Dichlorvos | Organophosphorous |
| 2. | Allidochlor | Acetamide |
| 3. | Dichlobenil | Benzonitrile |
| 4. | Biphenyl | Aromatic hydrocarbon |
| 5. | Mevinphos-1 | Organophosphorous |
| 6. | Mevinphos-2 | Organophosphorous |
| 7. | Etridiazole | Aromatic hydrocarbon |
| 8. | Pebulate | Thiocarbamate |
| 9. | Phtalimide | Phthalimide |
| 10. | N-(2,4-dimethylphenyl) formamide | / |
| 11. | THPI (Tetrahydrophthalimide) | Phthalimide |
| 12. | Methacrifos | Organophosphorous |
| 13. | Chloroneb | Organochlorine |
| 14. | Pentachlorobenzene | Organochlorine |
| 15. | 2-Phenylphenol | Aromatic hydrocarbon |
| 16. | 2-methoxybiphenyl | Aromatic hydrocarbon |
| 17. | Tecnazene | Aromatic hydrocarbon |
| 18. | Propachlor | Chloroacetamide |
| 19. | 2,3,5,6-Tetrachloroaniline | Aromatic hydrocarbon |
| 20. | Diphenylamine | Aromatic hydrocarbon |
| 21. | Cycloate | Thiocarbamate |
| 22. | Ethalfuralin | Dinitroaniline |
| 23. | Chlorpropham | Carbamate |
| 24. | Trifluralin | Dinitroaniline |
| 25. | Sulfotep | Organophosphorous |
| 26. | Benfluralin | Dinitroaniline |
| 27. | Phorate | Organophosphorous |
| 28. | Di-allate-1 | Thiocarbamate |
| 29. | Di-allate-2 | Thiocarbamate |
| 30. | alpha-BHC | Organochlorine |
| 31. | beta-BHC | Organochlorine |
| 32. | gamma-BHC (Lindane) | Organochlorine |
| 33. | delta-BHC | Organochlorine |
| 34. | Hexachlorobenzene | Organochlorine |

Datum izdavanja dodatka: 26.12.2024.

Issue date of annex: 26.12.2024.

Zamjenjuje dodatak: 04.09.2024.

Replaces Annex dated: 04.09.2024.

| R. Br. <i>No.</i> | PESTICID <i>PESTICIDE</i> | GRUPA <i>GROUP</i> |
|-----------------------------|-------------------------------------|------------------------------|
| 35. | Pentachloroanisole | Organochlorine |
| 36. | Quintozene | Organochlorine |
| 37. | Atrazine | Triazine |
| 38. | Clomazone | Isoxazolidinone |
| 39. | Pentachlorobenzonitrile | Organochlorine |
| 40. | Terbufos | Organophosphorous |
| 41. | Fonofos | Organophosphorous |
| 42. | Terbuthylazine | Triazine |
| 43. | Profluralin | Toluidines |
| 44. | Propyzamide | Benzamide |
| 45. | Chlorothalonil | Chloronitrile |
| 46. | Pyrimethanil | Anilinopyrimidine |
| 47. | Diazinon | Organophosphorous |
| 48. | Fluchloralin | Dinitroaniline |
| 49. | Disulfoton | Organophosphorous |
| 50. | Terbacil | Uracil |
| 51. | Isazofos | Phosphorothiolate |
| 52. | Tri-allate | Thiocarbamate |
| 53. | Tefluthrin | Pyrethroid |
| 54. | Pentachloroaniline | Organochlorine |
| 55. | Dimethachlor | Chloroacetamide |
| 56. | Metribuzin | Triazinone |
| 57. | Chlorpyrifos-methyl | Organophosphorous |
| 58. | Acetochlor | Chloroacetamide |
| 59. | Parathion-methyl | Organophosphorous |
| 60. | Vinclozolin | Dicarboximide |
| 61. | Tolclofos-methyl | Aromatic hydrocarbon |
| 62. | Alachlor | Chloroacetamide |
| 63. | Heptachlor | Organochlorine |
| 64. | Propisochlor | Chloroacetamide |
| 65. | Metalaxyl (Mefenoxam) | Acylalanine |
| 66. | Transfluthrin | Pyrethroid |
| 67. | Fenchlorphos | Organophosphorous |
| 68. | Pentachlorothioanisole | Organochlorine |
| 69. | Fenitrothion | Organophosphorous |
| 70. | Pirimiphos-methyl | Organophosphorous |
| 71. | Dichlofluanid | Sulphamide |

Datum izdavanja dodatka: 26.12.2024.

Issue date of annex: 26.12.2024.

Zamjenjuje dodatak: 04.09.2024.

Replaces Annex dated: 04.09.2024.

| R. Br. <i>No.</i> | PESTICID <i>PESTICIDE</i> | GRUPA <i>GROUP</i> |
|-----------------------------|-------------------------------------|--------------------------------|
| 72. | Prodiamine | Dinitroaniline |
| 73. | Malathion | Organophosphorous |
| 74. | Metolachlor (S-Metolachlor) | Chloroacetanilide |
| 75. | Aldrin | Organochlorine |
| 76. | Anthraquinone | Quinone |
| 77. | Chlorpyrifos | Organophosphorous |
| 78. | Fenthion | Organophosphorous |
| 79. | Chlorthal-dimethyl | Benzenedicarboxylic acid/ester |
| 80. | Parathion | Organophosphorous |
| 81. | isocarbophos | Organophosphorous |
| 82. | Triadimefon | Triazole |
| 83. | Dicofol | Organochlorine |
| 84. | 4,4'-Dichlorobenzophenone | Organochlorine (metabolite) |
| 85. | Tetraconazole | Triazole |
| 86. | Fenson | Benzenesulfonate |
| 87. | Bromophos | Organophosphorous |
| 88. | Diphenamid | Alkanimide |
| 89. | MGK 264-1 | Synergist |
| 90. | MGK 264-2 | Synergist |
| 91. | Isodrin | Organochlorine |
| 92. | Pirimiphos ethyl | Organophosphorous |
| 93. | Isopropalin | Dinitroaniline |
| 94. | Pendimethalin | Dinitroaniline |
| 95. | Metazachlor | Chloroacetamide |
| 96. | Cyprodinil | Anilinopyrimidine |
| 97. | (E)-Chlorfenvinphos | Organophosphorous |
| 98. | (Z)-Chlorfenvinphos | Organophosphorous |
| 99. | Heptachlor-exo-epoxide | Organochlorine |
| 100. | Penconazole | Triazole |
| 101. | Tolyfluanid | Sulphamide |
| 102. | Fipronil | Phenylpyrazole |
| 103. | Chlozolate | Dicarboximide |
| 104. | Bromfenvinfos-methyl | Organophosphorous |
| 105. | Quinalphos | Organophosphorous |
| 106. | Procymidone | Dicarboximide |
| 107. | Triadimenol-1 | Triazole |
| 108. | Triflumizole | Imidazole |

Datum izdavanja dodatka: 26.12.2024.

Issue date of annex: 26.12.2024.

Zamjenjuje dodatak: 04.09.2024.

Replaces Annex dated: 04.09.2024.

| R. Br. <i>No.</i> | PESTICID <i>PESTICIDE</i> | GRUPA <i>GROUP</i> |
|-----------------------------|-------------------------------------|------------------------------|
| 109. | trans-Chlordane | Organochlorine |
| 110. | cis-Chlordane | Organochlorine |
| 111. | Methidathion | Organophosphorous |
| 112. | Chlorbenside | Organochlorine |
| 113. | Bromophos-ethyl | Organophosphorous |
| 114. | o,p'-DDE | Organochlorine |
| 115. | p,p'-DDE | Organochlorine |
| 116. | o,p'-DDD | Organochlorine |
| 117. | p,p'-DDD | Organochlorine |
| 118. | o,p'-DDT | Organochlorine |
| 119. | p,p'-DDT | Organochlorine |
| 120. | Paclobutrazol | Triazole |
| 121. | Tetrachlorvinphos | Organophosphorous |
| 122. | alpha-Endosulfan | Organochlorine |
| 123. | beta-Endosulfan | Organochlorine |
| 124. | Endosulfan sulfate | Organochlorine |
| 125. | Endosulfan ether | Organochlorine |
| 126. | trans-Nonachlor | organochlorine |
| 127. | Mepanipyrim | Anilinopyrimidine |
| 128. | Flutriafol | Triazole |
| 129. | Picoxystrobin | Strobilurin |
| 130. | Bromfenvinphos | Organophosphorous |
| 131. | Iodofenphos | Organophosphorous |
| 132. | Chlorfenoson | Bridged Diphenyl |
| 133. | Fenamiphos | Organophosphorous |
| 134. | Hexaconazole | Triazole |
| 135. | Flutolanil | Oxathiin |
| 136. | Prothiofos | Organophosphorous |
| 137. | Isoprothiolane | Phosphorothiolate |
| 138. | Profenofos | Organophosphorous |
| 139. | fipronil sulphone | Pyrazoles |
| 140. | Dieldrin | Organochlorine |
| 141. | Oxadiazon | Oxadiazole |
| 142. | Myclobutanil | Triazole |
| 143. | Flusilazole | Triazole |
| 144. | Bupirimate | Pyrimidinol |
| 145. | Oxyfluorfen | Diphenyl ether |

Datum izdavanja dodatka: 26.12.2024.

Issue date of annex: 26.12.2024.

Zamjenjuje dodatak: 04.09.2024.

Replaces Annex dated: 04.09.2024.

| R. Br. <i>No.</i> | PESTICID <i>PESTICIDE</i> | GRUPA <i>GROUP</i> |
|-----------------------------|--|------------------------------------|
| 146. | Kresoxim-methyl | Strobilurin |
| 147. | Chlorfenapyr | Pyrazole |
| 148. | Cyflufenamid | Amide |
| 149. | Endrin | Organochlorine |
| 150. | Cyflufenamid | Amide |
| 151. | Nitrofen | Organochlorine |
| 152. | Chlorthiophos-1 | Organophosphorous |
| 153. | 1,1-Dichloro-2,2-bis(4-ethylphenyl) ethane | / |
| 154. | Fluazifop-P-butyl | Aryloxyphenoxypropionic acid/ester |
| 155. | Chlorthiophos-2 | Organophosphorous |
| 156. | Chlorobenzilate | Organochlorine |
| 157. | fenthion sulfone | Organophosphorous |
| 158. | cis-Nonachlor | Organochlorine |
| 159. | Oxadixyl | Phenylamide |
| 160. | Aclonifen | Diphenyl ether |
| 161. | Ethion | Organophosphorous |
| 162. | Chlorthiophos-3 | Organophosphorous |
| 163. | Endrin aldehide | Organochlorine |
| 164. | Triazophos | Organophosphorous |
| 165. | Sulprofos | Organophosphorous |
| 166. | Benalaxyl | Acylalanine |
| 167. | Carbophenothion | Organophosphorous |
| 168. | Carfentrazone-ethyl | Triazolinone |
| 169. | Edifenphos | Phosphorothiolate |
| 170. | 4,4'-methoxychlor olefin | Organochlorine |
| 171. | Quinoxifen | Quinoline |
| 172. | Lenacil | Uracil |
| 173. | Fenhexamid | Hydroxyanilide |
| 174. | Hexazinone | Triazinone |
| 175. | 2,4'-Methoxychlor | Organochlorine |
| 176. | Tebuconazole | Triazole |
| 177. | Propargite-1 | Sulfie ester |
| 178. | Propargite-2 | Sulfie ester |
| 179. | Resmethrin-1 | Pyrethroid |
| 180. | Resmethrin-2 (Bioresmethrin) | Pyrethroid |
| 181. | Nitralin | Dinitroaniline |
| 182. | Epoxiconazole | Triazole |

Datum izdavanja dodatka: 26.12.2024.

Issue date of annex: 26.12.2024.

Zamjenjuje dodatak: 04.09.2024.

Replaces Annex dated: 04.09.2024.

| R. Br. <i>No.</i> | PESTICID <i>PESTICIDE</i> | GRUPA <i>GROUP</i> |
|-----------------------------|-------------------------------------|------------------------------|
| 183. | Zoxamide | Benzamide |
| 184. | Endrin ketone | Organochlorine |
| 185. | Pyridaphenthion | Organophosphorous |
| 186. | Iprodione | Dicarboximide |
| 187. | Bromuconazole-1 | Triazole |
| 188. | Bromuconazole-2 | Triazole |
| 189. | Phosmet | Pyrethroid |
| 190. | Tetramethrin-1 | Pyrethroid |
| 191. | Tetramethrin-2 | Pyrethroid |
| 192. | EPN | Organophosphorous |
| 193. | Bromopropylate | Benzilate |
| 194. | Bifenthrin | Pyrethroid |
| 195. | Methoxychlor | Organochlorine |
| 196. | Etoxazole | / |
| 197. | Fenamidone | Imidazole |
| 198. | Fenpropathrin | Pyrethroid |
| 199. | Tebufenpyrad | Pyrazole |
| 200. | Bifenoxy | Diphenyl ether |
| 201. | Fenazaquin | Quinazoline |
| 202. | Phenothrin-1 | Pyrethroid |
| 203. | Phenothrin-2 | Pyrethroid |
| 204. | Tetradifon | Diphenylsulfone |
| 205. | Triticonazole | Triazole |
| 206. | Phosalone | Organophosphorous |
| 207. | Leptophos | Phenylphosphonothioate |
| 208. | Azinphos-methyl | Organophosphorous |
| 209. | Pyriproxyfen | Juvenile hormon mimic |
| 210. | Mirex | Organochlorine |
| 211. | lambda-Cyhalothrin | Pyrethroid |
| 212. | Fenarimol | Pyrimidine |
| 213. | Pyrazophos | Phosphorothiolate |
| 214. | Acrinathrin-2 | Pyrethroid |
| 215. | Azinphos-ethyl | Phosphorothiolate |
| 216. | Metrafenone | Benzophenone |
| 217. | Spirodiclofen | Tetronic acid |
| 218. | Bitertanol-1 | Triazole |
| 219. | Bitertanol-2 | Triazole |

Datum izdavanja dodatka: 26.12.2024.

Issue date of annex: 26.12.2024.

Zamjenjuje dodatak: 04.09.2024.

Replaces Annex dated: 04.09.2024.

| R. Br. <i>No.</i> | PESTICID <i>PESTICIDE</i> | GRUPA <i>GROUP</i> |
|-----------------------------|-------------------------------------|------------------------------|
| 220. | cis-Permethrine | Pyrethroid |
| 221. | trans-Permethrine | Pyrethroid |
| 222. | Coumaphos | Phosphorothiolate |
| 223. | Fluquinconazole | Triazole |
| 224. | Pyridaben | Organochlorine |
| 225. | Fenbuconazole | Triazole |
| 226. | Cyfluthrin-1 | Pyrethroid |
| 227. | Cyfluthrin-2 | Pyrethroid |
| 228. | Cyfluthrin-3 | Pyrethroid |
| 229. | Cyfluthrin-4 | Pyrethroid |
| 230. | Cypermethrin-1 | Pyrethroid |
| 231. | Cypermethrin-2 | Pyrethroid |
| 232. | Cypermethrin-3 | Pyrethroid |
| 233. | Cypermethrin-4 | Pyrethroid |
| 234. | Flucythrinate-1 | Pyrethroid |
| 235. | Flucythrinate-2 | Pyrethroid |
| 236. | Etofenprox | Pyrethroid |
| 237. | Fenvalerate-1 | Pyrethroid |
| 238. | Fenvalerate-2 | Pyrethroid |
| 239. | tau-Fluvalinate-1 | Pyrethroid |
| 240. | tau-Fluvalinate-2 | Pyrethroid |
| 241. | Deltamethrin | Pyrethroid |
| 242. | Dimethomorph-1 | Morpholine |
| 243. | Dimethomorph-2 | Morpholine |
| 244. | Famoxadone | Strobilurin |

2) Lista pesticida / List of pesticides - LC-MS/MS tehnika (za metodu br. 153 / for method N^o153):

| R. Br. <i>No.</i> | PESTICID <i>PESTICIDE</i> | GRUPA <i>GROUP</i> |
|-----------------------------|-------------------------------------|------------------------------|
| 1. | Acephate | organophosphate |
| 2. | Acetamiprid | Neonicotinoids |
| 3. | Acibenzolar-S-methyl | Benzothiadiazole |
| 4. | Ametryn | Triazines |
| 5. | Aminocarb | Carbamate |
| 6. | Amitraz | Amidine |
| 7. | Azoxystrobin | Strobilurins |

Datum izdavanja dodatka: 26.12.2024.

Issue date of annex: 26.12.2024.

Zamjenjuje dodatak: 04.09.2024.

Replaces Annex dated: 04.09.2024.

| | | |
|-----|--------------------------------------|------------------------|
| 8. | Benalaxyl | Acylalanines |
| 9. | Benomil | Benzimidazoles |
| 10. | Bentazone | Benzothiadiazinone |
| 11. | Bifenazate | |
| 12. | Bitertanol | Triazole |
| 13. | Boscalid | Carboxamides |
| 14. | Bupirimate | Pyrimidinol |
| 15. | Buprofezin | Thiadiazines |
| 16. | Butafenacil | |
| 17. | Butocarboxim-sulfone | Oxime carbamate |
| 18. | Carbendazim | Benzimidazoles |
| 19. | Carbofuran | Carbamates |
| 20. | Carbofuran-3-hydroxy+NH ₄ | Carbamates |
| 21. | Carbosulfan | Carbamates |
| 22. | Carboxin | Oxathiin |
| 23. | Carfentrazone-ethyl | Triazolinone |
| 24. | Chlorantraniliprole | Pyrazole |
| 25. | Chlorfluazuron | Benzoylurea |
| 26. | Chlorotoluron | Ureas |
| 27. | Chloroxuron | Ureas |
| 28. | Chlorpropham | Carbamate |
| 29. | Clethodim | Cyclohexanedione oxime |
| 30. | Clofentezine | Acaricides |
| 31. | Clothianidin | Neonicotinoids |
| 32. | Cycluron | Ureas |
| 33. | Cyproconazole | Azoles |
| 34. | Cyprodinil | Anilinopyrimidines |
| 35. | Demeton-S-methyl-sulfone | Organophosphorous |
| 36. | Demeton-S-methyl-sulfoxide | Organophosphorous |
| 37. | Diclobutrazol | |
| 38. | Dicrotophos | Organophosphates |
| 39. | Difenoconazole | Azoles |
| 40. | Diflubenzuron | Benzoylureas |
| 41. | Diflufenican | Nicotinanilide |
| 42. | Dimethachlor | Chloroacetanilides |
| 43. | Dimethoate | Organophosphates |
| 44. | Dimethomorph | Morpholine |
| 45. | Diniconazole | Azoles |
| 46. | Dioxacarb | Carbamate |
| 47. | Diuron | Ureas |
| 48. | Doramectin* | |
| 49. | Emamectin benzoate * | |
| 50. | Epoconazole | Azoles |

Datum izdavanja dodatka: 26.12.2024.

Issue date of annex: 26.12.2024.

Zamjenjuje dodatak: 04.09.2024.

Replaces Annex dated: 04.09.2024.

| | | |
|-----|---------------------------|---------------------------|
| 51. | Eprinomectin* | |
| 52. | Etaconazole | Triazole |
| 53. | Ethiofencarb | Carbamate |
| 54. | Ethiprole | Phenylpyrazoles |
| 55. | Ethirimol | Morpholine |
| 56. | Ethofumesate | Benzofuran |
| 57. | Ethoprophos(ethoprop) | Organophosphates |
| 58. | Etoxazole | |
| 59. | Fenamidone | Imidazolinones |
| 60. | Fenamiphos | Organophosphates |
| 61. | Fenamiphos-sulfone | Organophosphates |
| 62. | Fenamiphos-sulfoxide | Organophosphates |
| 63. | Fenarimol | Pyrimidine |
| 64. | Fenazaquin | |
| 65. | Fenbuconazole | Triazole |
| 66. | Fenhexamid | Hydroxyanilide |
| 67. | Fenobucarb | Carbamate |
| 68. | Fenoxycarb | Carbamate |
| 69. | Fenpropimorph | Morpholines |
| 70. | Fenpyroximat | Pyrroles |
| 71. | Fenuron | Ureas |
| 72. | Fipronil | Phenylpyrazoles |
| 73. | Fipronil desulfinyl | Phenylpyrazoles |
| 74. | Fipronil sulfide | Phenylpyrazoles |
| 75. | Fipronil-sulfone | Phenylpyrazoles |
| 76. | Flonicamid | |
| 77. | Fluazifop-p-butyl | Pyrethroids |
| 78. | Fluazinam | Phenylpyridinamine |
| 79. | Flubendiamide | Benzenedicarboxamide |
| 80. | Fludioxonil | Phenylpyrroles |
| 81. | Flufenacet | Oxyacetamides |
| 82. | Flufenoxuron | Benzoylureas |
| 83. | Fluometuron | Phenylurea |
| 84. | Fluopicolide | Pyridinylmethyl-benzamide |
| 85. | Fluoxastrobin | Strobilurins |
| 86. | Fluquinconazole | Azoles |
| 87. | Flurtamone | Isoxazolidinones |
| 88. | Flusilazole | Triazole |
| 89. | Flutolanil | Carboxamides |
| 90. | Flutriafol | Triazole |
| 91. | Forchlorfenuron | Phenylurea |
| 92. | Formetanate | Formamidine |
| 93. | Formetanate-hydrochloride | Formamidine |
| 94. | Fosthiazate | Nematicides |

Datum izdavanja dodatka: 26.12.2024.

Issue date of annex: 26.12.2024.

Zamjenjuje dodatak: 04.09.2024.

Replaces Annex dated: 04.09.2024.

| | | |
|------|--------------------|--------------------|
| 95. | Fuberidazole | Benzimidazoles |
| 96. | Furalaxyl | Acylalanines |
| 97. | Halofenozide | Diacylhydrazines |
| 98. | Hexaconazole | Triazole |
| 99. | Hexythiazox | Thiazolidinones |
| 100. | Hydramethylnon | |
| 101. | Imazalil | Imidazoles |
| 102. | Imidacloprid | Neonicotinoids |
| 103. | Indoxacarb | Oxadiazines |
| 104. | Iproconazole | Triazole |
| 105. | Iprovalicarb | Iprovalicarb |
| 106. | Isoprocarb | Carbamate |
| 107. | Isoproturon | Ureas |
| 108. | Ivermectine* | Avermectin |
| 109. | Linuron | Ureas |
| 110. | Lufenuron | Benzoylurea |
| 111. | Malaoxon | Organophosphates |
| 112. | Malathion | Organophosphates |
| 113. | Mandipropamid | Carboxamides |
| 114. | Mefenacet | Oxyacetamides |
| 115. | Mepanipyrim | Anilinopyrimidines |
| 116. | Mepronil | Organophosphates |
| 117. | Mesotrione | Triketone |
| 118. | Metaflumizone | |
| 119. | Metalaxyl | Acylalanines |
| 120. | Metalaxyl-M | Acylalanines |
| 121. | Metconazole | Triazole |
| 122. | Methabenzthiazuron | Ureas |
| 123. | Methiocarb-sulfone | Carbamate |
| 124. | Methoprotryne | Methylthiotriazine |
| 125. | Methoxyfenozide | Diacylhydrazines |
| 126. | Methyl-paraoxon | Organophosphates |
| 127. | Metobromuron | Ureas |
| 128. | Metrafenone | Benzophenones |
| 129. | Metribuzin | Triazinone |
| 130. | Mevinphos | Organophosphorous |
| 131. | Mexacarbate | |
| 132. | Monolinuron | Ureas |
| 133. | Monuron | Ureas |
| 134. | Moxidectin | |
| 135. | Myclobutanil | Azoles |
| 136. | Neburon | Ureas |
| 137. | Nitenpyram | Neonicotinoids |
| 138. | Nuarimol | Pyrimidine |

Datum izdavanja dodatka: 26.12.2024.

Issue date of annex: 26.12.2024.

Zamjenjuje dodatak: 04.09.2024.

Replaces Annex dated: 04.09.2024.

| | | |
|------|------------------------|--------------------------|
| 139. | Oxadixyl | Phenylamide |
| 140. | Oxamyl+NH ₄ | Carbamate |
| 141. | Oxydemeton-methyl | Organophosphates |
| 142. | Paclobutrazol | Triazole |
| 143. | Paraoxon-methyl | Organophosphorous |
| 144. | Penconazole | Triazole |
| 145. | Pencycuron | Aromatic hydrocarbons |
| 146. | Picolinafen | Pyridinecarboxamides |
| 147. | Piperonyl butoxide | |
| 148. | Pirimicarb | Carbamates |
| 149. | Prochloraz | Imidazoles |
| 150. | Prometon | Triazines |
| 151. | Prometryn | Triazines |
| 152. | Propamocarb | Carbamates |
| 153. | Propham | Carbamate |
| 154. | Propiconazole | Azoles |
| 155. | Proquinazid | Quinazolinones |
| 156. | Prothioconazole | Azoles |
| 157. | Pymetrozine | Pyridinecarboxamides |
| 158. | Pyracarbolid | |
| 159. | Pyraclostrobin | Strobilurins |
| 160. | Pyrazophos | Organophosphate |
| 161. | Pyrimethanil | Anilinopyrimidines |
| 162. | Pyriproxyfen | Juvenile hormone analogs |
| 163. | Quinoxifen | Quinoline |
| 164. | Rotenone | |
| 165. | Sebumeton | |
| 166. | Siduron | Ureas |
| 167. | Silthiofam | Thiazolidinones |
| 168. | Simazine | Triazines |
| 169. | Simetryn | Methylthiotriazine |
| 170. | Spinetoram | |
| 171. | Spinosad A | Spinosyns |
| 172. | Spirodiclofen | Tetronic acid |
| 173. | Spirotetramat | |
| 174. | Spiroxamine | Morpholines |
| 175. | Sulfentrazone | Triazolinone |
| 176. | Tebuconazole | Azoles |
| 177. | Tebufenpyrad | Pyrazole |
| 178. | Tebuthiuron | Ureas |
| 179. | Temephos | Organophosphorous |
| 180. | Terbumeton | Triazines |
| 181. | Terbutryn | Triazines |
| 182. | Thiabendazole | Benzimidazoles |

Datum izdavanja dodatka: 26.12.2024.

Issue date of annex: 26.12.2024.

Zamjenjuje dodatak: 04.09.2024.

Replaces Annex dated: 04.09.2024.

| | | |
|------|--------------------|-------------------|
| 183. | Thiacloprid | Neonicotinoids |
| 184. | Thiamethoxam | Neonicotinoids |
| 185. | Thidiazuron | Phenylurea |
| 186. | Thiobencarb | Thiocarbamate |
| 187. | Thiophanate-methyl | Benzimidazoles |
| 188. | Triadimefon | Triazole |
| 189. | Triadimenol | Azoles |
| 190. | Trichlorfon | Organophosphate |
| 191. | Tricyclazole | Reductase |
| 192. | Trifloxystrobin | Strobilurins |
| 193. | Triflumuron | Benzoylureas |
| 194. | Trifluralin | Dinitroanilines |
| 195. | Triticonazole | Triazole |
| 196. | Vamidothio | Organophosphorous |
| 197. | Warfarin | Rodenticides |
| 198. | Zoxamide | Benzamide |

3) Lista pesticida / List of pesticides - GC-MS/MS tehnika (za metodu br. 89 / for method N^o89):

| R. Br. <i>No.</i> | PESTICID <i>PESTICIDE</i> | GRUPA <i>GROUP</i> |
|-----------------------------|-------------------------------------|------------------------------|
| 1. | Mevinphos-1 | Organophosphorous |
| 2. | Mevinphos-2 | Organophosphorous |
| 3. | N-(2,4-dimethylphenyl) formamide | / |
| 4. | Pentachlorobenzene | Organochlorine |
| 5. | 2-Phenylphenol | Aromatic hydrocarbon |
| 6. | Chlorpropham | Carbamate |
| 7. | Trifluralin | Dinitroaniline |
| 8. | alpha-BHC | Organochlorine |
| 9. | beta-BHC | Organochlorine |
| 10. | gamma-BHC (Lindane) | Organochlorine |
| 11. | delta-BHC | Organochlorine |
| 12. | Hexachlorobenzene | Organochlorine |
| 13. | Pentachloroanisole | Organochlorine |
| 14. | Fonofos | Organophosphorous |
| 15. | Terbutylazine | Triazine |
| 16. | Pyrimethanil | Anilinopyrimidine |
| 17. | Diazinon | Organophosphorous |
| 18. | Disulfoton | Organophosphorous |
| 19. | Dimethachlor | Chloroacetamide |
| 20. | Chlorpyrifos-methyl | Organophosphorous |

Datum izdavanja dodatka: 26.12.2024.

Issue date of annex: 26.12.2024.

Zamjenjuje dodatak: 04.09.2024.

Replaces Annex dated: 04.09.2024.

| R. Br. <i>No.</i> | PESTICID <i>PESTICIDE</i> | GRUPA <i>GROUP</i> |
|-----------------------------|-------------------------------------|------------------------------|
| 21. | Acetochlor | Chloroacetamide |
| 22. | Parathion-methyl | Organophosphorous |
| 23. | Vinclozolin | Dicarboximide |
| 24. | Heptachlor | Organochlorine |
| 25. | Fenitrothion | Organophosphorous |
| 26. | Fenthion | Organophosphorous |
| 27. | Pirimiphos-methyl | Organophosphorous |
| 28. | Malathion | Organophosphorous |
| 29. | Aldrin | Organochlorine |
| 30. | Chlorpyrifos | Organophosphorous |
| 31. | Parathion | Organophosphorous |
| 32. | Tetraconazole | Triazole |
| 33. | Bromophos | Organophosphorous |
| 34. | Isodrin | Organochlorine |
| 35. | Pirimiphos ethyl | Organophosphorous |
| 36. | Pendimethalin | Dinitroaniline |
| 37. | Cyprodinil | Anilinopyrimidine |
| 38. | (E)-Chlorfenvinphos | Organophosphorous |
| 39. | (Z)-Chlorfenvinphos | Organophosphorous |
| 40. | Heptachlor-exo-epoxide | Organochlorine |
| 41. | Fipronil | Phenylpyrazole |
| 42. | Bromfenvinfos-methyl | Organophosphorous |
| 43. | trans-Chlordane | Organochlorine |
| 44. | cis-Chlordane | Organochlorine |
| 45. | Methidathion | Organophosphorous |
| 46. | o,p'-DDE | Organochlorine |
| 47. | p,p'-DDE | Organochlorine |
| 48. | o,p'-DDD | Organochlorine |
| 49. | p,p'-DDD | Organochlorine |
| 50. | o,p'-DDT | Organochlorine |
| 51. | p,p'-DDT | Organochlorine |
| 52. | alpha-Endosulfan | Organochlorine |
| 53. | beta-Endosulfan | Organochlorine |
| 54. | Endosulfan sulfate | Organochlorine |
| 55. | trans-Nonachlor | organochlorine |
| 56. | Flutriafol | Triazole |
| 57. | Bromfenvinphos | Organophosphorous |
| 58. | Chlorfenson | Bridged Diphenyl |
| 59. | Fenamiphos | Organophosphorous |
| 60. | Prothiofos | Organophosphorous |
| 61. | fipronil sulphone | Pyrazoles |

Datum izdavanja dodatka: 26.12.2024.

Issue date of annex: 26.12.2024.

Zamjenjuje dodatak: 04.09.2024.

Replaces Annex dated: 04.09.2024.

| R. Br. <i>No.</i> | PESTICID <i>PESTICIDE</i> | GRUPA <i>GROUP</i> |
|-----------------------------|-------------------------------------|------------------------------|
| 62. | Dieldrin | Organochlorine |
| 63. | Myclobutanil | Triazole |
| 64. | Flusilazole | Triazole |
| 65. | Endrin | Organochlorine |
| 66. | Chlorobenzilate | Organochlorine |
| 67. | cis-Nonachlor | Organochlorine |
| 68. | Ethion | Organophosphorous |
| 69. | Triazophos | Organophosphorous |
| 70. | 2,4'-Methoxychlor | Organochlorine |
| 71. | Tebuconazole | Triazole |
| 72. | Resmethrin-1 | Pyrethroid |
| 73. | Resmethrin-2 (Bioresmethrin) | Pyrethroid |
| 74. | Epoxiconazole | Triazole |
| 75. | Endrin ketone | Organochlorine |
| 76. | Iprodione | Dicarboximide |
| 77. | Tetramethrin-1 | Pyrethroid |
| 78. | Tetramethrin-2 | Pyrethroid |
| 79. | EPN | Organophosphorous |
| 80. | Bromopropylate | Benzilate |
| 81. | Bifenthrin | Pyrethroid |
| 82. | Methoxychlor | Organochlorine |
| 83. | Phosalone | Organophosphorous |
| 84. | Azinphos-methyl | Organophosphorous |
| 85. | Mirex | Organochlorine |
| 86. | lambda-Cyhalothrin | Pyrethroid |
| 87. | Pyrazophos | Phosphorothiolate |
| 88. | Azinphos-ethyl | Phosphorothiolate |
| 89. | cis-Permethrine | Pyrethroid |
| 90. | trans-Permethrine | Pyrethroid |
| 91. | Coumaphos | Phosphorothiolate |
| 92. | Fluquinconazole | Triazole |
| 93. | Cyfluthrin-1 | Pyrethroid |
| 94. | Cyfluthrin-2 | Pyrethroid |
| 95. | Cyfluthrin-3 | Pyrethroid |
| 96. | Cyfluthrin-4 | Pyrethroid |
| 97. | Cypermethrin-1 | Pyrethroid |
| 98. | Cypermethrin-2 | Pyrethroid |
| 99. | Cypermethrin-3 | Pyrethroid |
| 100. | Cypermethrin-4 | Pyrethroid |
| 101. | Etofenprox | Pyrethroid |
| 102. | Fenvalerate-1 | Pyrethroid |

Datum izdavanja dodatka: 26.12.2024.

Issue date of annex: 26.12.2024.

Zamjenjuje dodatak: 04.09.2024.

Replaces Annex dated: 04.09.2024.

| R. Br. <i>No.</i> | PESTICID <i>PESTICIDE</i> | GRUPA <i>GROUP</i> |
|-----------------------------|-------------------------------------|------------------------------|
| 103. | Fenvalerate-2 | Pyrethroid |
| 104. | tau-Fluvalinate-1 | Pyrethroid |
| 105. | tau-Fluvalinate-2 | Pyrethroid |
| 106. | Deltamethrin | Pyrethroid |
| 107. | Dimethomorph-1 | Morpholine |
| 108. | Dimethomorph-2 | Morpholine |
| 109. | Famoxadone | Strobilurin |

4) Lista PFAS supstanci / List of PFAS substances - LC-MS/MS tehnika (za metodu br.51 / for methods N^o51):

| R. Br. <i>No.</i> | PFAS SUPSTANCA <i>PFAS SUBSTANCE</i> | AKRONIM <i>ACRONYM</i> |
|-----------------------------|--|----------------------------------|
| 1. | Perfluoro-1-butanefulfonic acid | PFBS |
| 2. | Perfluoro-n-hexanoic acid | PFHxA |
| 3. | Perfluoro-n-heptanoic acid | PFHpA |
| 4. | Perfluoro-1-pentanesulfonic acid | PFPeS |
| 5. | Perfluoro-n-octanoic acid | PFOA |
| 6. | Perfluoro-1-hexanesulfonic acid | PFHxS |
| 7. | Perfluoro-n-nonanoic acid | PFNA |
| 8. | Perfluoro-1-heptanesulfonic acid | PFHpS |
| 9. | Perfluoro-n-decanoic acid | PFDA |
| 10. | Perfluoro-1-octanesulfonic acid | PFOS |
| 11. | Perfluoro-n-undecanoic acid | PFUnDA |
| 12. | Perfluoro-1-nonanesulfonic acid | PFNS |
| 13. | Perfluoro-n-dodecanoic acid | PFDoDA |
| 14. | Perfluoro-1-decanesulfonic acid | PFDS |
| 15. | Perfluoro-n-tridecanoic acid | PFTTrDA |
| 16. | Perfluoro-n-tetradecanoic acid | PFTeDA |

5) Lista PFAS supstanci / List of PFAS substances - LC-MS/MS tehnika (za metodu br. 212 / for methods N^o212):

| R. Br. <i>No.</i> | PFAS SUPSTANCA <i>PFAS SUBSTANCE</i> | AKRONIM <i>ACRONYM</i> |
|-----------------------------|--|----------------------------------|
| 1. | Perfluoro-1-butanefulfonic acid | PFBS |
| 2. | Perfluoro-n-hexanoic acid | PFHxA |
| 3. | Perfluoro-n-heptanoic acid | PFHpA |
| 4. | Perfluoro-1-pentanesulfonic acid | PFPeS |
| 5. | Perfluoro-n-octanoic acid | PFOA |

Datum izdavanja dodatka: 26.12.2024.

Issue date of annex: 26.12.2024.

Zamjenjuje dodatak: 04.09.2024.

Replaces Annex dated: 04.09.2024.

| R. Br. <i>No.</i> | PFAS SUPSTANCA <i>PFAS SUBSTANCE</i> | AKRONIM <i>ACRONYM</i> |
|-----------------------------|--|----------------------------------|
| 6. | Perfluoro-1-hexanesulfonic acid | PFHxS |
| 7. | Perfluoro-n-nonanoic acid | PFNA |
| 8. | Perfluoro-1-heptanesulfonic acid | PFHpS |
| 9. | Perfluoro-n-decanoic acid | PFDA |
| 10. | Perfluoro-1-octanesulfonic acid | PFOS |
| 11. | Perfluoro-n-undecanoic acid | PFUnDA |
| 12. | Perfluoro-1-nonanesulfonic acid | PFNS |
| 13. | Perfluoro-n-dodecanoic acid | PFDoDA |
| 14. | Perfluoro-1-decanesulfonic acid | PFDS |
| 15. | Perfluoro-n-tridecanoic acid | PFTrDA |
| 16. | Perfluoro-n-tetradecanoic acid | PFTeDA |
| 17. | Perfluoro-1-dodecanesulfonic acid | PFDoS |
| 18. | Perfluoro-n-hexadecanoic acid | PFHxDA |
| 19. | Perfluoro-n-pentanoic acid | PFPeA |
| 20. | Perfluoro-n-octadecanoic acid | PFODA |

6) Lista farmakološko aktivnih supstanci - antimikrobne supstance i antiparazitici / List of pharmacologically active substances - antimicrobial substances and antiparasitics- LC-MS/MS tehnika (za metodu br. 162 / for methods N^o162):

| R. Br. <i>No.</i> | FARMAKOLOŠKI AKTIVNE <i>SUPSTANCA</i> <i>PHARMACOLOGICALLY ACTIVE</i> <i>SUBSTANCES</i> | GRUPA <i>GROUP</i> |
|-----------------------------|---|------------------------------|
| 1. | Sulfachlorpyridazin | B1a - sulfonamides |
| 2. | Sulfadiazin | B1a - sulfonamides |
| 3. | Sulfadoxine | B1a - sulfonamides |
| 4. | Sulfaguanidin | B1a - sulfonamides |
| 5. | Sulfamerazin | B1a - sulfonamides |
| 6. | Sulfamethazin | B1a - sulfonamides |
| 7. | Sulfamethoxazol | B1a - sulfonamides |
| 8. | Sulfametoxypyridazin | B1a - sulfonamides |
| 9. | Sulfapyridin | B1a - sulfonamides |
| 10. | Sulfaquinoxalin | B1a - sulfonamides |
| 11. | Sulfathiazol | B1a - sulfonamides |
| 12. | Enrofloxacin | B1a -fluoroquinolones |
| 13. | Ciprofloxacin | B1a -fluoroquinolones |
| 14. | Danofloxacin | B1a -fluoroquinolones |
| 15. | Marbofloxacin | B1a -fluoroquinolones |
| 16. | Flumequine | B1a -fluoroquinolones |

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Issue date of annex: 26.12.2024.

Zamjenjuje dodatak: 04.09.2024.

Replaces Annex dated: 04.09.2024.

| R. Br. <i>No.</i> | FARMAKOLOŠKI AKTIVNE SUPSTANCE <i>PHARMACOLOGICALLY ACTIVE SUBSTANCES</i> | GRUPA <i>GROUP</i> |
|-----------------------------|---|-------------------------------------|
| 17. | Erythromycin | B1a - macrolides |
| 18. | Tilmicosin | B1a - macrolides |
| 19. | Tylosin | B1a - macrolides |
| 20. | Tulathromycin | B1a - macrolides |
| 21. | Gamithromycin | B1a - macrolides |
| 22. | Cefquinom | B1a - cephalosporins |
| 23. | Ceftiofur | B1a - cephalosporins |
| 24. | Cefapirin | B1a - cephalosporins |
| 25. | Cefalexin | B1a - cephalosporins |
| 26. | Bacitracin | B1a - polypeptide antibiotic |
| 27. | Trimethoprim | B1a - antifolate antibiotic |
| 28. | Lincomycin | B1a - lincosamide antibiotic |
| 29. | Fenbendazol | B1b - benzimidazole anthelmintics |
| 30. | Oksibendazol | B1b - benzimidazole anthelmintics |
| 31. | Mebendazol | B1b - benzimidazole anthelmintics |
| 32. | Albendazol | B1b - benzimidazole anthelmintics |
| 33. | Levamisol | B1b - imidazothiazole anthelmintics |
| 34. | Tetramisol | A3d - imidazothiazole anthelmintics |

| Oznaka lokacije <i>Location code</i> | Detalji o lokaciji (naziv i adresa) <i>Location details (title and address)</i> |
|--|---|
| L1 | Bulevar Šarla de Gola br. 2, Podgorica |

Legenda / Legend

| Oznaka referentnog dokumenta <i>Reference document</i> | Naziv metode / referenca <i>Title of method / reference</i> |
|--|--|
| EP-GC/HS (izdanje/issue C od/from 03/2020) | Određivanje etanola u pivu metodom GC/FID-Head Space Determination of ethanol in beer by GC/FID-Head Space |
| ZZM-DM-SZ (izdanje/issue A, izmjena/amendment 1 od/from 03/2020) | Ispitivanje nivoa spoljašnjeg zračenja / Dokumentovana metoda za ispitivanje spoljašnjeg zračenja zasnovana na EML Procedures Manual HASL 300, 28 Edition - U.S. Department of Energy, Environmental Measurements Laboratory Measurement of external radiation / Documented method for measurement of external radiation, based on EML Procedures Manual HASL 300, 28 Edition - U.S. Department of Energy, Environmental Measurements Laboratory |
| GH-196 | Determination and Evaluation of Methanol, Ethanol and Higher Alcohols in Legally and Illegally Produced Alcoholic Beverages, Destanoglu O, Ates I. JOTCSA 2019; 6(1):21-28 |

Dodatak Sertifikatu o akreditaciji - identifikacioni broj: ATCG 0151
Annex to Accreditation Certificate - Identification Number: ATCG 0151

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Zamjenjuje dodatak: 04.09.2024.

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Ovaj obim važi samo uz Sertifikat o akreditaciji sa akreditacionim brojem Li 08.03 i identifikacionim brojem 0151 od 04.09.2024.

This Scope of accreditation is valid only with the Accreditation certificate having Accreditation Number Li 08.03 and identification number 0151 issued on 04.09.2024.

Direktor ATCG
Anita Krulanović, s.r.