Potvrda o akreditaciji
Accreditation Certificate

1040

Norma Standard	**HRN EN ISO/IEC 17025:2017** (ISO/IEC 17025:2017; EN ISO/IEC 17025:2017)
Akreditirano tijelo Accredited body	**NASTAVNI ZAVOD ZA JAVNO ZDRAVSTVO DR. ANDRIJA ŠTAMPAR** **Služba za zdravstvenu ekologiju** Mirogojska Cesta 16, 10000 Zagreb
Područje akreditacije Scope of Accreditation	**Ispitivanje hrane, hrane za životinje, vina, alkoholnih pića, predmeta opće uporabe, voda, kontrola mikrobiološke čistoće objekata u proizvodnji hrane, otpada, tla, muljeva, eluata, krutih oporabljenih goriva, kvalitete zraka i građevnih proizvoda** **Uzorkovanje hrane, voda, tla, muljeva, otpada, unutarnjeg zraka i krutih oporabljenih goriva** Testing of food, animal feeding stuffs, wine, alcoholic drinks, objects of common use, waters, hygiene control in food production facilities, waste, soil, sludges, eluate, solid recovered fuels, air quality and construction products Sampling of food, waters, soil, sludge, waste, indoor air and solid recovered fuels
Akreditacija vrijedi do Accreditation valid until	**26.11.2028.**
Akreditacija vrijedi od Accreditation valid from	**27.11.2023.**
Prva akreditacija Initial accreditation	**08.12.2003.**

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HAA is a signatory of the European co-operation for Accreditation Multilateral Agreement (EA MLA)

Ravnateljica
Director General

mr. sc. Mirela Zečević

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PODRUČJE AKREDITACIJE
SCOPE OF ACCREDITATION

Br. *No.*	**Materijali/Proizvodi** *Materials/Products*	**Vrsta ispitivanja/Svojstvo** *Type of test/Property* **Raspon**/*Range* ili/*or* **Granica kvantifikacije**/ *Quantification limit*	**Metoda ispitivanja** *Test method*
I - Hrana i hrana za životinje / *Food and animal feeding stuffs*			
1.	Hrana *Food*	Uzorkovanje za kontrolu količine mikotoksina *Sampling for the control of the levels of mycotoxins*	Uredba Komisije (EZ) br. 401/2006 *Commission Regulation (EU) No 401/EC/2006* Uredba Komisije (EZ) br. 178/2010 *Commission Regulation (EU) No 178/EC/2010* Uredba Komisije (EZ) br. 519/2014 *Commission Regulation (EU) No 519/EC/2014*
2.	Hrana pripremljena kod subjekata koji posluju s hranom *Food prepared by the entities that work with food*	Uzorkovanje hrane u svrhu mikrobioloških ispitivanja *Food sampling for microbiological analysis*	HRS CEN ISO/TS 17728:2015 *(CEN ISO/TS 17728:2015)*
3.	Okolišni uzorci *Enviromental samples*	Horizontalne metode za postupke uzorkovanja s površina *Horizontal method for sampling techniques from surfaces*	HRN EN ISO 18593:2019 *(ISO 18593:2018; EN ISO 18593:2018)*
4.	Hrana biljnog porijekla *Food of plant origin*	Uzorkovanje za kontrolu ostataka pesticida *Sampling for the control of pesticide residues*	Direktiva Komisije (EZ) br. 63/2002 *Commission directive 2002/63/EC*
5.	Hrana *Food*	Horizontalna metoda za dokazivanje prisutnosti *Escherichia coli* O157 *Horizontal method for the detection of Escherichia coli* 0157	HRN EN ISO 16654:2003 *(ISO 16654:2001; EN ISO 16654:2001)* HRN EN ISO 16654:2003/A1:2017 *(ISO 16654:2001/Amd 1:2017; EN ISO 16654:2001/A1:2017)* HRN EN ISO 16654:2003/A2:2023 *(ISO 16654:2001/Amd 2:2023; EN ISO 16654:2001/A2:2023)*

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6.	Hrana *Food*	Horizontalna metoda za dokazivanje i određivanje broja *Clostridium* spp. - 1. dio: određivanje broja sulfitreducirajućih *Clostridium* spp. tehnikom brojenja kolonija *Horizontal method for the detection and enumeration of Clostridium spp .- Part 1: Enumeration of sulfite-reducing Clostridium spp. by colony-count technique*	HRN EN ISO 15213-1:2023 *(ISO 15213-1:2023; EN ISO 15213-1:2023)*
7.	Hrana *Food* Okolišni uzorci u proizvodnji hrane *Environmental samples in food production*	Horizontalna metoda za dokazivanje prisutnosti i određivanje broja kolonija *Listeria monocytogenes* i drugih *Listeria* spp. - 2. dio: Metoda određivanja broja *horizontal method for the detection and enumeration of Listeria monocytogenes and of Listeria spp. - Part 2: Enumeration method*	HRN EN ISO 11290-2:2017 *(ISO 11290-2:2017; EN ISO 11290-2:2017)*
8.		Horizontalna metoda za dokazivanje pristutnosti, određivanje broja i serotipizaciju *Salmonella* - 1. dio: Dokazivanje prisutnosti *Salmonella* spp. *Horizontal method for the detection, enumeration and serotyping of salmonella - Part 1: Detection of Salmonella spp.*	HRN EN ISO 6579-1:2017 *(ISO 6579-1:2017; EN ISO 6579-1:2017)* HRN EN ISO 6579-1:2017/A1:2020 *(ISO 6579-1:2017/Amd 1:2020; EN ISO 6579-1:2017/A1:2020)*
9.		Horizontalna metoda određivanja broja koagulaza-pozitivnih stafilokoka (Staphylococcus aureus i ostale vrste) - 1. dio: Postupak primjene Baird-Parker agara *Horizontal method for the enumeration of coagulase-positive staphylococci (Staphylococcus aureus and other species) -- Part 1: Technique using Baird-Parker agar medium*	HRN EN ISO 6888-1:2021 *(ISO 6888-1:2021; EN ISO 6888-1:2021)* HRN EN ISO 6888-1:2021/A1:2023 *(ISO 6888-1:2021/Amd 1:2023; EN ISO 6888-1:2021/A1:2023)*

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10.	Hrana *Food* Okolišni uzorci u proizvodnji hrane *Environmental samples in food production*	Horizontalna metoda određivanja broja koagulaza-pozitivnih stafilokoka (*Staphylococcus aureus* i ostale vrste) -- 2. dio: Postupak primjene agara s fibrinogenom i plazmom kunića *Horizontal method for the enumeration of coagulase-positive staphylococci (Staphylococcus aureus and other species) – Part 2: Technique using rabbit plasma fibrinogen agar medium*	HRN EN ISO 6888-2:2021 *(ISO 6888-2:2021; EN ISO 6888-2:2021)* HRN EN ISO 6888-2:2021/A1:2023 *(ISO 6888-2:2021/Amd 1:2023; EN ISO 6888-2:2021/A1:2023)*
11.		Horizontalna metoda za dokazivanje prisutnosti i određivanje broja *Enterobacteriaceae* - 2. dio: Postupak određivanja broja kolonija *Horizontal method for the detection and enumeration of Enterobacteriaceae - Part 2: Colony-count technique*	HRN EN ISO 21528-2:2017 *(ISO 21528-2:2017; EN ISO 21528-2:2017)*
12.	Hrana *Food* Okolišni uzorci u proizvodnji hrane *Environmental samples in food producti*	Horizontalna metoda za određivanje broja mikroorganizama -1. dio: Određivanje broja kolonija pri 30 °C tehnikom zalijevanja podloge; 2. dio: Određivanje broja kolonija pri 30 °C tehnikom nasađivanja na površinu podloge *Horizontal method for the enumeration of microorganisms - Part 1:Colony-count technique at* 30 °C *by the pour plate technique - Part 2:Colony-count at* 30 °C *by surface plating technique*	HRN EN ISO 4833-1:2013 *(ISO 4833-1:2013; EN ISO 4833-1:2013)* HRN EN ISO 4833-1:2013/A1:2022 *(ISO 4833-1:2013/Amd 1:2022; EN ISO 4833-1:2013/A1:2022)* HRN EN ISO 4833-2:2013 *(ISO 4833-2:2013; EN ISO 4833-2:2013)* HRN EN ISO 4833-2:2013/Ispr.1:2014 *(ISO 4833-2:2013/Cor.1:2014;EN ISO 4833-2:2013/AC:2014)* HRN EN ISO 4833-2:2013/A1:2022 *(ISO 4833-2:2013/Amd-1:2022; EN ISO 4833-2:2013/A1:2022)*

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13.	Hrana *Food*	Horizontalna metoda brojenja beta-glucuronidasa pozitivne *Escherichia coli* - 2 dio: brojenje kolonija pri 44 °C uporabom 5-bromo-4-chloro-3-indolyl beta-D-glucuronide *Horizontal method for the enumeration of beta-glucoronidase - positive Escherichia coli - Part 2: Colony-count technique at* 44 °C *using 5-bromo-4-chloro-3-indolyyl beta-D-glucuronide*	HRN ISO 16649-2:2001 *(ISO 16649-2:2001)*
14.	Hrana *Food* Okolišni uzorci u proizvodnji hrane *Environmental samples in food production*	Horizontalna metoda za dokazivanje prisutnosti i određivanje broja *Listeria monocytogenes* i drugih *Listeria* spp. - 1.dio: Metoda dokazivanja prisutnosti *Horizontal method for the detection and enumeration of Listeria monocytogenes and other Listeria spp. – Part 1: Detection method*	HRN EN ISO 11290-1:2017 *(ISO 11290-1:2017; EN ISO 11290-1:2017)*
15.		Horizontalna metoda za brojenje kvasca i plijesni - 1.dio: Tehnika brojenja kolonija u proizvodima s aktivitetom vode većim od 0,95: 2. dio: Tehnika brojeja kolonija u proizvodima s aktivitetom vode *Horizontal method for the enumeration of yeasts and moluds - Part 1: Colony count technique in products with water activity greater than* 0,95*: Part 2: Colony count technique in products with water activity less than or equal to* 0,95	HRN ISO 21527-1:2012 *(ISO 21527-1:2008)* HRN ISO 21527-2:2012 *(ISO 21527-2:2008)*
16.		Horizontalna metoda za dokazivanje prisutnosti *Cronobacter* spp. *Horizontal method for the detection of Cronobacter spp.*	HRN EN ISO 22964:2017 *(ISO 22964:2017; EN ISO 22964:2017)*
17.		Određivanje stafilokoknog enterotoksina VIDAS SET 2 imunoenzimskom metodom *Detection of Staphylococcal Enterotoxins by VIDAS SET 2 immunoassay method*	AOAC 21st Edition, 2019 2007.06 Final Action 2010

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18.	Hrana i hrana za životinje *Food and animal feeding stuffs*	Horizontalna metoda za brojenje *Bacillus cereus*-Tehnika brojenja kolonija pri 30 °C *Horizontal method for the enumeration of presumptive Bacillus cereus -- Colony-count technique at 30 °C*	HRN EN ISO 7932:2005 *(ISO 7932:2004; EN ISO 7932:2004)* HRN EN ISO 7932:2005/A1:2020 *(ISO 7932:2004/Amd 1:2020, ispravljena verzija/ Corrected version 2020-08; EN ISO 7932:2004/A1:2020)*
19.	Hrana *Food*	Određivanje količine dušika metodom po Kjeldahlu *Determination of nitrogen content by Kjeldahl method*	Vlastita metoda *In-house method* SOP-93-054 Izdanje/*Edition* 05 2021-11-05 Modificirana/ *Modified* HRN ISO 1871:2017 *(ISO 1871:2009)* HRN ISO 937:1999 *(ISO 937:1978)*
20.		Određivanje ukupnog sadržaja masti *Determination of total fat content*	Vlastita metoda *In-house method* SOP-95-054 Izdanje/*Edition* 03 2021-11-05
21.	Žitarice i proizvodi od žitarica *Cereal and cereal product*	Određivanje količine vode *Determination of moisture content*	HRN EN ISO 712-1:2024 *(ISO 712-1:2024; EN ISO 712-1:2024)*
22.	Hrana *Food*	Određivanje ukupnog pepela spaljivanjem *Determination of ash yield by incineration*	Vlastita metoda *In-house method* SOP-325-054 Izdanje/*Edition* 02 2021-11-05
23.	Mlijeko i mliječni proizvodi *Milk and milk fat products*	Određivanje udjela cis-, trans-zasićenih, jednostruko i višestruko nezasićenih masnih kiselina plinskom kromatografijom *Determination of the content of cis-, trans-, saturated, mono- and polyunsaturated fatty acids by gas chromatography*	HRN ISO 15884:2003 *(ISO 15884:2002)* HRN ISO 15885:2003 *(ISO 15885:2002)*

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24.	Hrana osim mlijeka i mliječnih proizvoda *Food except milk and milk fat products*	Određivanje udjela cis-, trans- zasićenih, jednostruko i višestruko nezasićenih masnih kiselina (uključujući i eruka kiselinu) plinskom kromatografijom *Determination of the content of cis-, trans-, saturated, mono- and polyunsaturated fatty acids (including erucic acid) by gas chromatography*	HRN EN ISO 12966-1:2015 *(ISO 12966-1:2014; EN ISO 12966-1:2014)* HRN EN ISO 12966-1:2015/Ispr.1:2015 *(EN ISO 12966-1:2014/AC:2015)* HRN EN ISO 12966-2:2017 *(ISO 12966-2:2017; EN ISO 12966-2:2017)* HRN EN ISO 12966-4:2026 *(ISO 12966-4:2026; EN ISO 12966-4:2026)*
25.	Meso i mesni proizvodi *Meat and meat products*	Određivanje fosfora spektrofotometrijskom metodom *Determination of by spectrophotometric method*	Vlastita metoda *In-house method* SOP-100-054 Izdanje/*Edition* 02 2024-12-16
26.	Mlijeko i fermentirani mliječni proizvodi *Milk and fermented milk products*	Određivanje udjela masti *Determination of fat content*	Vlastita metoda *In-house method* SOP-295-054 Izdanje/*Edition 01* 2017-06-10
27.	Jestiva ulja i masti *Edible oil and fat*	Određivanje kiselosti u uljima (slobodnih masnih kiselina izraženih kao oleinska kiselina) *Determination of acid value and acidity*	HRN EN ISO 660:2020 *(ISO 660:2020; EN ISO 660:2020)*
28.		Određivanje peroksidnog broja *Determination of peroxide value*	HRN EN ISO 3960:2017 *(ISO 3960:2017; EN ISO 3960:2017)*
29.	Životinjske i biljne masti i ulja *Animal and vegetable fats and oils*	Određivanje apsorbancije u ultraljubičastom spektru izraženih kao specifična UV ekstinkcija *Determination of ultraviolet absorbance expressed as specific UV extinction*	HRN EN ISO 3656:2011/A1:2017 *(ISO 3656:2011/Amd 1:2017; EN ISO 3656:2011/A1:2017)*
30.	Med *Honey*	Određivanje aktivnosti dijastaze spektrofotometrijskom metodom *Determination of diastase activity by spectrophotometric method*	Harmonized Methods of the International Honey Commission (2009) Metoda/ *Method* 6.2

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31.	Med *Honey*	Određivanje relativnog sadržaja peluda *Determination of relative pollen content*	DIN 10760:2002-05
32.		Određivanje električne vodljivosti elektrokemijskom metodom *Determination of electrical conductivity by electrometric method*	Harmonized Methods of the International Honey Commission (2009) Metoda/ *Method* 2
33.		Određivanje količine vode refraktometrijskom metodom *Determination of moisture content by refractive index*	Harmonized Methods of the International Honey Commission (2009) Metoda/ *Method* 1
34.		Određivanje hidroksimetilfurfurala (HMF) metodom tekućinske kromatografije visoke djelotvornosti (HPLC) Determination of *hydroxymethylfurfural (*HMF*) by high performance liquid chromatography* (HPLC)	Vlastita metoda *In-house method* SOP-12-053 Izdanje/*Edition* 02 2016-03-10
35.		Određivanje slobodne kiselosti u medu titracijom do pH 8.3 *Determination of free acidity by titration to* pH 8.3	Harmonized Methods of the International Honey Commission (2009) Metoda/ *Method* 4
36.	Jabučni sok *Apple juice*	Određivanje patulina HPLC tehnikom *Determination of patuline by high performance liquid chromatography (*HPLC*)*	Vlastita metoda *In-house method* SOP-9-053 Izdanje/*Edition* 02 2016-02-15
37.	Osvježavajuća bezalkoholna pića *Soft drinks*	Određivanje fosforne kiseline spektrofotometrijskom metodom *Determination of phosphoric acid by spectrophotometric method*	Vlastita metoda *In-house method* SOP-101-054 Izdanje/*Edition* 06 2014-04-09
38.	Alkoholna pića *Alcoholic drinks*	Određivanje sadržaja etanola plinskom kromatografijom *Determination of ethanol content by gas chromatography*	Vlastita metoda *In-house method* SOP-24-053 Izdanje/*Edition* 02 2018-08-30
39.	Sušeno voće i vino *Dried fruit and wine*	Određivanje SO_2 u hrani HPLC tehnikom *Determination of* SO_2 *in food by* HPLC	Vlastita metoda *In-house method* SOP-236-053 Izdanje/*Edition* 02 2016-02-15

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40.	Riba i proizvodi od riba *Fish and fish products*	Određivanje histamina HPLC tehnikom *Determination of histamine by* HPLC *technique*	Vlastita metoda *In-house method* SOP-88-053 Izdanje/*Edition* 05 2016-03-10
41.	Hrana *Food*	Određivanje akrilamida UPLC-MS/MS tehnikom *Determination of acrylamid by UPLC-MS/MS*	Vlastita metoda *In-house method* SOP-281-053 Izdanje/*Edition* 04 2018-03-30
42.	Hrana morskog i biljnog podrijetla *Food of marine and plant origin*	Određivanje anorganskog arsena primjenom anionskog izmjenjivača HPLC-ICP-MS *Determination of inorganic arsenic by using anion exchange* HPLC-ICP-MS	HRN EN 16802:2016 *(EN 16802:2016)*
43.	Hrana *Food*	Određivanje ditiokarbamata izraženih kao CS2 u hrani plinskom kromatografijom sa spektrometrijom masa (GC-MS) *Determination of dithiocarbamates expressed like* CS2 *in food by gas chromatography mass spectrometry (*GC-MS*)*	Vlastita metoda *In-house method* SOP-353-053 Izdanje/*Edition* 03 2022-10-07
44.		Određivanje antioksidansa u hrani HPLC tehnikom *Determination of antioxidants in food by* HPLC	Vlastita metoda *In-house method* SOP-379-053 Izdanje/*Edition* 01 2020-02-07

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		II Voda / *Water*	
45.	Voda za ljudsku potrošnju *Water for human consumption*	Uzorkovanje *Sampling*	HRN ISO 5667-5:2011 *(ISO 5667-5:2006)* HRN EN ISO 19458:2008 *(ISO 19458:2006; EN ISO 19458:2006)*
46.	Podzemna voda *Ground water*	Uzorkovanje *Sampling*	HRN ISO 5667-11:2011 *(ISO 5667-11:2009)* HRN EN ISO 19458:2008 *(ISO 19458:2006; EN ISO 19458:2006)*
47.	Otpadna voda *Waste water*	Uzorkovanje *Sampling*	HRN ISO 5667-10:2020 *(ISO 5667-10:2020)* HRN EN ISO 19458:2008 *(ISO 19458:2006; EN ISO 19458:2006)*
48.	Bazenska voda *Pool water*	Uzorkovanje *Sampling*	HRN EN ISO 19458:2008 *(ISO 19458:2006; EN ISO 19458:2006)* Točka/*Item* 4.4.3.
49.	Voda za ljudsku potrošnju, prirodna mineralna, izvorska, stolna voda, bazenska voda, površinska, podzemna i otpadna voda *Water for human consumption, natural mineral water, spring water, table water, pool water, surface water, ground water and waste water*	Određivanje pH vrijednosti *Determination of pH* od/*from* 2 do/*to* 12	HRN EN ISO 10523:2012 *(ISO 10523:2008; EN ISO 10523:2012)*
50.		Određivanje temperature – termometrija *Determination of temperature - thermometric method* (od/*from* 1,0 do/*to* 80,0) ˚C	DIN 38404-4:1976
51.	Voda za ljudsku potrošnju, prirodna mineralna, izvorska, stolna, površinska, podzemna, bazenska voda i voda za kupanje, otpadna i tehnološka voda *Water for human consumption, natural mineral water, spring water, table water, surface water, ground water, pool water, bathing water, waste water and tehnological water*	Određivanje ukupnog i slobodnog klora kolorimetrijska metoda s N,N-dietil-1,4-fenilendiaminom u svrhu rutinske kontrole *Determination of total and free chlorine - colorimetric method using N,N-diethyl-1,4-phenylendiamine for routine control purposes* Granica kvantifikacije/ *Quantification limit* 0,02 mg/L	HRN EN ISO 7393-2:2018 *(ISO 7393-2:2017; EN ISO 7393-2:2018)*

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52.	Voda za ljudsku potrošnju, prirodna mineralna, izvorska i stolna voda *Water for human consumption, natural mineral water, spring water and table water*	Određivanje policikličkih aromatskih ugljikovodika u vodi HPLC tehnikom *Granica kvantifikacije* fluoranten 0,005 µg/L benzo(b)fluoranten,benzo (k) fluoranten, benzo(a)piren, benzo(g,h,i)perilen, indeno(1,2,3-c,d)piren 0,0025 µg/L *Determination of polycyclic aromatic hydrocarbons by* HPLC *technique* *Quantification limit* 0,005 µg/L *for fluoranthene* 0,0025 µg/L *for benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene benzo(g h i)perylene, indeno(1,2,3-c,d)pyrene*	Vlastita metoda *In-house method* SOP-144-053 Izdanje/*Edition* 03 2018-08-31

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53.	Voda za ljudsku potrošnju, prirodna mineralna, izvorska, stolna voda, površinska, podzemna i otpadna voda *Water for human consumption, natural mineral water, spring water, table water, surface water, ground water and waste water*	Određivanje benzena i njegovih derivata (toluen, m-, o-, p-ksilen i etilbenzen) ekstrakcijom i plinskom kromatografijom *Determination of benzene and some derivates (toluene, m-, o-, p-xylene and ethylbenzene) by extraction and gas chromatography* Granica kvantifikacije 0,25 µg/L za svaki analit iz skupine BTEX-a za vodu za ljudsku potrošnju, prirodnu mineralnu, izvorsku, stolnu vodu, površinsku i podzemnu vodu *Quantification limit* 0,25 µg/L *for each BTEX analyte individually, for water for human consumption, natural mineral water, spring water, table water, surface water and ground water* Granica kvantifikacije 0,005 mg/L za otpadnu vodu *Quantification limit* *0,005* mg/L *for waste water*	HRN ISO 11423-2:2002 *(ISO 11423-2:1997)*
54.	Voda za ljudsku potrošnju, prirodna mineralna, izvorska, stolna voda, površinska voda i podzemna voda *Water for human consumption, natural mineral water, spring water, table water, surface water and ground water*	Određivanje ugljikovodika C_{10} – C_{40} u vodi primjenom plinske kromatografije i spektrometrije masa (GCMS) *Determination of hydrocarbons C10 – C40 in water by gas chromatography mass spectrometry (*GC-MS*)* Granica kvantifikacije/ *Quantification limit* 2,0 µg/L	Vlastita metoda *In-house method* SOP-17-053 Izdanje/*Edition* 05 2020-12-15

Br. *No.*	**Materijali/Proizvodi** *Materials/Products*	**Vrsta ispitivanja/Svojstvo** *Type of test/Property* **Raspon**/*Range* ili/*or* **Granica kvantifikacije/** *Quantification limit*	**Metoda ispitivanja** *Test method*
55.	Voda za ljudsku potrošnju, prirodna mineralna, izvorska, stolna voda, površinska, podzemna i otpadna voda *Water for human consumption, natural mineral water, spring water, table water, surface water, ground water and waste water*	Određivanje koncentracije željeza atomskom apsorpcijskom spektrometrijom (plamena tehnika) *Determination of iron by atomic absorption spectrometry (flame tehnique)* Granica kvantifikacije/ *Quantification limit* 100 μgL^{-1}	DIN 38406 Dio/*Teil* 32:2000
56.	Otpadna voda *Waste water*	Određivanje kemijske potrošnje kisika (KPK) *Determination of the Chemical Oxygen Demand (COD)* (Kivetni testovi Hach Lange LCK 314 i 514/ *Cuvette tests Hach Lange LCK 314 and 514*) (od/from 15 do/to 2000) mg/L O_2	Vlastita metoda *In-house method* SOP-11-051 Izdanje/*Edition* 03 2026-05-07
57.	Voda za ljudsku potrošnju, prirodna mineralna, izvorska, stolna voda, bazenska voda, površinska, podzemna i tehnološka voda *Water for human consumption, natural mineral water, spring water, table water, pool water, surface water, ground water and tehnological water*	Određivanje boje *Determination of colour* Granica kvantifikacije/ *Quantification limit* 5 mg/L Pt/Co	Standard Methods for the Examination of Water and Wastewater, 2120C 24.Izdanje/ *24.Edition*
58.	Voda za ljudsku potrošnju, prirodna mineralna, izvorska, stolna voda, sirova voda, bazenska voda, površinska i podzemna voda *Water for human consumption, natural mineral water, spring water, table water, raw water, pool water, surface water and ground water*	Određivanje permanganatnog indeksa *Determination of permanganate indeks* Granica kvanifikacije/ *Quantification limit* 0,50 mg/L O_2	HRN EN ISO 8467:2001 *(ISO 8467:1993; EN ISO 8467:1995)*

Br. *No.*	**Materijali/Proizvodi** *Materials/Products*	**Vrsta ispitivanja/Svojstvo** *Type of test/Property* **Raspon**/*Range* ili/*or* **Granica kvantifikacije/** *Quantification limit*	**Metoda ispitivanja** *Test method*
59.	Voda za ljudsku potrošnju, prirodna mineralna, izvorska, stolna voda, bazenska voda, površinska i podzemna voda *Water for human consumption, natural mineral water, spring water, table water, pool water, surface water and ground water*	Određivanje mutnoće *Determination of Turbidity* Granica kvanifikacije/ *Quantification limit* 0,10 NTU	HRN EN ISO 7027-1:2016 *(ISO 7027-1:2016; EN ISO 7027-1:2016)*
60.	Voda za ljudsku potrošnju, prirodna mineralna, izvorska, stolna voda, bazenska voda, površinska i podzemna voda *Water for human consumption, natural mineral water, spring water, table water, surface water and ground water*	Određivanje sume kalcija i magnezija – volumetrijska metoda s EDTA *Determination of the sum of calcium and magnesium* - EDTA *titrimetric method* Granica kvanifikacije/ *Quantification limit* 50 mg/L $CaCO_3$	HRN ISO 6059:1998 *(ISO 6059:1984)*
61.	Voda za ljudsku potrošnju, prirodna mineralna, izvorska, stolna voda, bazenska voda, površinska, podzemna voda i otpadna voda *Water for human consumption, natural mineral water, spring water, table water, pool water, surface water, ground water and waste water*	Određivanje anionskih tenzida mjerenjem indeksa metilenskog modrila (MMAT) *Determination of anionic surfactants by measurement of the methylene blue index (*MBAS*)* Granica kvanifikacije/ *Quantification limit* 0,01 mg/L	Vlastita metoda *In-house method* SOP-64-051 Izdanje/*Edition* 08 2018-10-15 Modificirana/ *Modified* HRN EN 903:2002 *(ISO 7875-1:1984, modified; EN 903:1993)*
62.	Voda za ljudsku potrošnju, prirodna mineralna, izvorska, stolna voda, bazenska voda, površinska i podzemna voda *Water for human consumption, natural mineral water, spring water, table water, pool water, surface water and ground water*	Određivanje električne vodljivosti *Determination of electrical conductivity* (od/*from* 10,0 do/ *to* 10 000) µS/cm	HRN EN 27888:2008 *(ISO 7888:1985; EN 27888:2003)*

Br. *No.*	**Materijali/Proizvodi** *Materials/Products*	**Vrsta ispitivanja/Svojstvo** *Type of test/Property* **Raspon**/*Range* ili/*or* **Granica kvantifikacije/** *Quantification limit*	**Metoda ispitivanja** *Test method*
63.	Voda za ljudsku potrošnju, površinska, podzemna i otpadna voda *Water for human consumption, surface water, ground and waste water*	Određivanje ukupnog dušika u vodi (Kivetni testovi) *Determination of total nitrogen in water (Cuvette tests)* Granica kvanifikacije/ *Quantification limit* < 1,0 mg L^{-1} N	Vlastita metoda *In-house method* SOP-395-051 Izdanje/*Edition* 01 2026-03-10
64.	Površinska, podzemna i otpadna voda *Surface water, ground water and waste water*	Određivanje dušika po Kjeldahlu nakon mineralizacije sa selenom *Determination of nitrogen by the Kjeldahl method after mineralization with selenium* Granica kvanifikacije/ *Quantification limit* 1,0 mg/L N	HRN EN 25663:2008 *(ISO 5663:1984; EN 25663:1993)*
65.	Otpadna voda *Waste water*	Određivanje ukupne suspendirane tvari s membranskim filterom *Determination of filterable suspended matter using a membrane filter* Granica kvanifikacije/ *Quantification limit* 2 mg/L	DIN 38409, T2-H2-21987 Točka/ *Clause* 5.2

Br. *No.*	**Materijali/Proizvodi** *Materials/Products*	**Vrsta ispitivanja/Svojstvo** *Type of test/Property* **Raspon**/*Range* ili/*or* **Granica kvantifikacije/** *Quantification limit*	**Metoda ispitivanja** *Test method*
66.	Voda za ljudsku potrošnju, prirodna mineralna, izvorska, stolna voda, voda za kupanje, otpadna voda, površinska i podzemna voda *Water for human consumption, natural mineral water, spring water, table water, bathing water, waste water, surface water and ground water*	Određivane lakohlapljivih kloriranih ugljikovodika (tetrakloruglјik, 1,2-dikloretan, 1,1,1-trikloretan, 1,1,2-trikloretan, 1,1,2,2-tetrakloretan, 1,1-dikloreten, trikloreten, tetrakloreten) i trihalometana (kloroform, bromdiklormetan, dibromklormetan, bromoform) primjenom plinske kromatografije *Determination of highly volatile halogenated hydrocarbons (carbon tetrachloride, 1,2- dichloroethane, 1,1,1-trichloroethane, 1,1,2- trichloroethane , 1,1,2,2- tetrachloroethane, 1,1- dichlorethene, trichloroethene, tetrachloroethene) and trihalomethanes (chloroform , bromodichloromethane, dibromochloromethane, bromoform) by gas chromatography* Granica kvantifikacije 0,5 µg/L za sve analite osim 1,2-dikloretana (0,9 µg/L) za vodu za ljudsku potrošnju, prirodnu mineralnu, izvorsku, stolnu vodu, vodu za kupanje, površinsku i podzemnu vodu *Quantification limit* 0,5 µg/L for all analyte except *1,2-dichloroethane* (0,9 µg/L) for w*ater for human consumption, natural mineral water, spring water, table water, bathing water, surface water and ground water* Granica kvantifikacije 0,00050 mg/L za sve analite osim 1,2-dikloretana (0,0010 mg/L) za otpadnu vodu *Quantification limit* 0,00050 mg/L for all analyte except *1,2-dichloroethane* (0,0010 mg/L) *for waste water*	HRN EN ISO 10301:2002 *(EN ISO 10301:1997)*

Br. *No.*	**Materijali/Proizvodi** *Materials/Products*	**Vrsta ispitivanja/Svojstvo** *Type of test/Property* **Raspon**/*Range* ili/*or* **Granica kvantifikacije/** *Quantification limit*	**Metoda ispitivanja** *Test method*
67.	Voda za ljudsku potrošnju, prirodna mineralna, izvorska, stolna voda, sirova i otpadna voda *Water for human consumption, natural mineral water, spring water, table water, raw water and waste water*	Određivanje nitrita - molekularna apsorpcijska metoda *Determination of nitrite - Molecular absorption spectrometric method* Granica kvanifikacije/ *Quantification limit* 0,01 mg/L N	HRN EN 26777:1998 *(ISO 6777:1984; EN 26777:1993)*
68.	Voda za ljudsku potrošnju, prirodna mineralna, izvorska, stolna voda, površinska i podzemna voda *Water for human consumption, natural mineral water, spring water, table water, surface water and ground water*	Određivanje silikata *Determination of silicates* Granica kvanifikacije/ *Quantification limit* 0,5 mg/L	ASTM D 859-16(2021)e1
69.	Otpadna voda *Waste water*	Određivanje volumnog udjela taložive tvari *Determination of the settleable matter by volume* Granica kvanifikacije/ *Quantification limit* 0,1 mL/L	DIN 38409, H9-2:1980
70.	Voda za ljudsku potrošnju, površinska, podzemna voda *Water for human consumption, surface water and ground water*	Određivanje ukupnog dušika računski *Determination of total nitrogen by calculation* Granica kvanifikacije/ *Quantification limit* 1,0 mg/L N	Vlastita metoda *In-house method* SOP-230-051 Izdanje/*Edition* 04 2026-05-04 modificirana/ *modified* HRN EN 25663:2008 *(ISO 5663:1984; EN 25663:1993)* HRN EN ISO 10304-1:2009 *(ISO 10304-1:2007, EN ISO 10304-1:2009)*

Br. *No.*	**Materijali/Proizvodi** *Materials/Products*	**Vrsta ispitivanja/Svojstvo** *Type of test/Property* **Raspon**/*Range* ili/*or* **Granica kvantifikacije/** *Quantification limit*	**Metoda ispitivanja** *Test method*
71.	Voda za ljudsku potrošnju, prirodna mineralna, izvorska, stolna voda, površinska, podzemna i otpadna voda *Water for human consumption, natural mineral water, spring water, table water, surface water, ground water and waste water*	Određivanje fenolnog indeksa – spektrometrijska metoda s 4-aminoantipirinom nakon destilacije *Determination of phenol index: 4-aminoantipyrine (4-aminophenazone) spectrometric method after distillation* Granica kvanifikacije/ *Quantification limit* 0,002 mg/L	HRN ISO 6439:1998 *(ISO 6439:1990)*
72.		Određivanje kroma (VI) – spektrometrijska metoda s 1,5 – difenilkarbazidom *Determination of chromium (VI). Spectrometric method using 1,5-diphenylcarbazide* Granica kvanifikacije/ *Quantification limit* 0,05 mg/L	HRN ISO 11083:1998 *(ISO 11083:1994)*
73.	Voda za ljudsku potrošnju, prirodna mineralna, izvorska, stolna voda, površinska, podzemna i otpadna voda *Water for human consumption, natural mineral water, spring water, table water, surface water, ground water and waste water*	Određivanje ortofosfata spektrometrijska metoda s amonijevim molibdatom *Determination of phosphorus – Ammonium molybdate spectrometric method* Granice kvantifikacije: *Limit of quantification:* 0,003 mg/L P	HRN EN ISO 6878:2008 *(ISO 6878:2004; EN ISO 6878:2004)* Točka/ *Clause* 4.
74.		Određivanje ukupnog fosfora spektrometrijski *Determination of total phosphorus spectrometrically* Granice kvantifikacije: *Limit of quantification:* 0,003 mg/L P	Vlastita metoda *In house method* SOP-203-051 Izdanje/*Edition* 01 2020-02-17
75.	Voda za ljudsku potrošnju, prirodna mineralna, izvorska, stolna voda, bazenska voda, površinska, podzemna voda *Water for human consumption, natural mineral water, spring water, table water, pool water, surface water and ground water*	Određivanje suspendiranih tvari - Metoda filtriranjem kroz filtar od staklenih vlakana *Determination of suspended solids - Method by filtration through glass fibre filters* Granice kvantifikacije: *Limit of quantification:* 2 mg/L	HRN EN 872:2008 *(EN 872:2005)*

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76.	Voda za ljudsku potrošnju, bazenska voda, površinska voda i podzemna voda *Water for human consumption, pool water, surface water and ground water*	Određivanje redoks potencijala u vodi *Determination of reduction potential in water* ±1200 mV	Standard Methods for the Examination of Water and Wastewater, 2580B 24.Izdanje/ *24.Edition*
77.	Voda za ljudsku potrošnju, prirodne mineralne, izvorske, stolne vode i podzemna voda *Water for human consumption, natural mineral water, spring water, table water and ground water*	Određivanje otopljenih klorita i klorata - metoda ionske tekućinske kromatografije *Determination of dissolved chlorate and chlorite - Method by liquid chromatography of ions* Granice kvantifikacije *Limit of quantification:* 50 µg/L ClO_2^- 50 µg/L ClO_3^-	HRN EN ISO 10304-4:2022 *(ISO 10304-4:2022; EN ISO 10304-4:2022)*
78.	Voda za ljudsku potrošnju, prirodne mineralne, izvorske, stolne vode, površinska voda, podzemna i bazenska voda *Water for human consumption, natural mineral water, spring water, table water, surface water, ground and pool water*	Određivanje otopljenog bromata - metoda ionske tekućinske kromatografije *Determination of dissolved bromate - Method by liquid chromatography of ions* Granice kvantifikacije *Limit of quantification:* 2,0 µg/L BrO_3^-	HRN EN ISO 15061:2001 *(ISO 15061:2001; EN ISO 15061:2001)*
79.	Voda za ljudsku potrošnju, prirodne mineralne, izvorske, stolne vode, podzemna, površinska i otpadna voda *Water for human consumption, natural mineral, spring water, table water, ground water, surface and waste water*	Određivanje neionskih tenzida *Determination of nonionic surfactants* (Kivetni testovi Hach Lange LCK 333) *(Cuvette tests Hach Lange LCK 333)* Granica kvantifikacije *Limit of quantification:* 60 µg/L	Vlastita metoda *In-house method* SOP-385-051 Izdanje/*Edition* 01 Datum/ *Date*: 2023-07-10

Br. *No.*	**Materijali/Proizvodi** *Materials/Products*	**Vrsta ispitivanja/Svojstvo** *Type of test/Property* **Raspon**/*Range* ili/*or* **Granica kvantifikacije/** *Quantification limit*	**Metoda ispitivanja** *Test method*
80.	Voda za ljudsku potrošnju, prirodna mineralna, izvorska voda, stolna voda, površinska i podzemna voda *Water for human consumption, natural mineral water, spring water, table water, surface water and ground water*	Određivanje ukupnog i pojedinog alkaliteta *Determination of total and composite alkalinity* Granica kvantifikacije *Limit of quantification:* 0,4 mmol/L 20,0 mg $CaCO_3$/L 25,0 mg HCO_3^-/L	HRN EN ISO 9963-1:1998 (ISO 9963-1:1994, EN ISO 9963-1:1995)
81.	Voda za ljudsku potrošnju, podzemna voda, površinska voda i otpadna voda *Water for human consumption, ground water, surface water and waste water*	Razdvajanje i određivanje kongenera PCB-a (PCB18, PCB28, PCB52 PCB101, PCB118, PCB153, PCB138, PCB180, PCB194) plinskom kromatografijom uz detektor zahvata elektrona (GC-ECD)/ *Separation and determination of PCB congeners (*PCB18, PCB28, PCB52 PCB101, PCB118, PCB153, PCB138, PCB180, PCB194*) by gas chromatography coupled with electron capture detector (*GC-ECD*)* Voda za ljudsku potrošnju, podzemna voda, površinska voda/ *Water for human consumption ground water surface water* Granica kvantifikacija/ *Quantification limit* 0,005 µg/L za svaki kongener /*for each congener* *Otpadna voda/waste water* Granica kvantifikacije/ *Quantification limit* 0,0001 mg /L za svaki kongener /*for each congener*	Vlastita metoda *In house method* SOP-178-053 Izdanje/*Edition* 06 2026-01-19

Br. *No.*	**Materijali/Proizvodi** *Materials/Products*	**Vrsta ispitivanja/Svojstvo** *Type of test/Property* **Raspon**/*Range* ili/*or* **Granica kvantifikacije**/ *Quantification limit*	**Metoda ispitivanja** *Test method*
82.	Voda za ljudsku potrošnju, prirodna mineralna, izvorska, stolna voda, voda za kupanje, otpadna voda, površinska, podzemna, tehnološka voda, morska voda i led *Water for human consumption, natural mineral water, spring water, table water bathing water, waste water, surface water, ground water, tehnological water, sea water and ice*	Detekcija i brojenje crijevnih enterokoka - 2. dio: Metoda membranske filtracije *Detection and enumeration of intestinal enterococci - Part 2.: Membrane filtration*	HRN EN ISO 7899-2:2000 *(ISO 7899-2:2000; EN ISO 7899-2:2000)*
83.	Površinska i otpadna voda *Surface water and waste water*	Detekcija i brojenje crijevnih enterokoka metodom najvjerojatnijeg broja mikrotitarskim pločama *The most probable number method for detection and enumeration of intestinal enterococci by microtitre plates*	HRN EN ISO 7899-1:2000 *(ISO 7899-1:1998, EN ISO 7899-1:1998)* HRN EN ISO 7899-1/Ispr.1:2000 *(ISO 7899-1:1998/Cor 1:2000, EN ISO 7899-1:1998/AC:2000)*
84.	Voda za ljudsku potrošnju, prirodna mineralna, izvorska, stolna voda, voda za kupanje, bazenska voda, površinska, podzemna, tehnološka voda i led *Water for human consumption, natural mineral water, spring water, table water, bathing water, pool water, surface water, ground water, tehnological water and ice*	Brojenje uzgojenih mikroorganizama – Broj kolonija nacjepljivanjem na hranjivi agar *Enumeration of culturable micro-organisms – Colony count by inoculation in a nutrient agar culture medium*	HRN EN ISO 6222:2000 *(ISO 6222:1999; EN ISO 6222:1999)*

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85.	Prirodne mineralne, izvorske i stolne vode *Natural mineral, spring and table water*	Brojenje kolonija mikroorganizama inkubacijom na 37°C kroz 24 sata *Enumeration of micro-organisms by incubation at* 37°C *for* 24 *hours*	Vlastita metoda *In house method* SOP-211-051 Izdanje/*Edition* 01 2022-11-05 Modificirana/ *Modified* HRN EN ISO 6222:2000 *(ISO 6222:1999; EN ISO 6222:1999)*
86.	Voda za ljudsku potrošnju, prirodna mineralna, izvorska, stolna voda i bazenska voda *Water for human consumption, natural mineral water, spring water, table water and pool water*	Brojenje *Escherichia coli* i koliformnih bakterija metodom membranske filtracije za vode s niskom pozadinom bakterijske flore *Membrane filtration method for enumeration of Escherichia coli and coliform bacteria for waters with low bacterial background flora*	HRN EN ISO 9308-1:2014 *(ISO 9308-1:2014; EN ISO-1:2014)* HRN EN ISO 9308-1:2014/ A1:2017 *(ISO 9308-1:2014/ Amd 1:2016; EN ISO 9308-1:2014/ Amd 1:2017)*
87.	Voda za ljudsku potrošnju, prirodna mineralna, izvorska, stolna, voda za kupanje, otpadna voda, površinska, podzemna voda, tehnološka voda i led *Water for human consumption, natural mineral water, spring water, table water, bathing water, waste water, surface water, ground water, tehnological water and ice*	Brojenje *Clostridium perfringens* u vodi metodom membranske filtracije *Membrane filtration method for enumeration of Clostridium perfringens in water*	HRN EN ISO 14189:2016 *(ISO 14189:2013; EN ISO 14189:2016)*
88.		Detekcija vrsta roda *Salmonella* *Detection of Salmonella spp.*	HRN EN ISO 19250:2013 *(ISO 19250:2010, EN ISO 19250:2013)*

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89.	Voda za ljudsku potrošnju, prirodna mineralna, izvorska, voda, voda za kupanje, otpadna voda, površinska, podzemna voda, tehnološka voda, morska voda i led *Water for human consumption, natural mineral water, spring water, table water, bathing water, waste water, surface water, ground water, tehnological water, sea water and ice*	Detekcija i brojenje spora sulfito-reducirajućih klostridija metodom membranske filtracije *Detection and enumeration of the spores of sulfite-reducing clostridia by the membrane filtrartion method*	HRN EN 26461-2:2008 *(ISO 6461-2:1986, EN 26461-2:1993)*
90.	Voda za ljudsku potrošnju, prirodna mineralna, izvorska, stolna voda, podzemna, tehnološka voda, površinska, bazenska voda i led *Water for human consumption, natural mineral water, spring water, table water, ground water, tehnological water, surface water, pool water and ice*	Detekcija i brojenje *Pseudomonas aeruginosa* - metodom membranske filtracije *Detection and enumeration of Pseudomonas aeruginosa - by the membrane filtration method*	HRN EN ISO 16266:2008 *(ISO 16266:2006; EN ISO 16266:2008)*
91.	Voda za ljudsku potrošnju, prirodna mineralna, izvorska, stolna, tehnološka, površinska, podzemna, bazenska i otpadna voda *Water for human consumption, natural mineral water, spring water, table water, tehnological water, surface water, pool and waste water*	Brojenje *Legionella* *Enumeration of Legionella*	HRN EN ISO 11731:2017 *(ISO 11731:2017; EN ISO 11731:2017)*

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92.	Voda za ljudsku potrošnju, prirodna mineralna, izvorska, stolna, površinska, podzemna, tehnološka, otpadna, bazenska voda, voda za kupanje, morska voda i led *Water for human consumption, natural mineral water, spring water, table water, surface water, ground water, tehnological water, waste water, pool water, bathing water, sea water and ice*	Brojenje *Escherichia coli* i koliformnih bakterija metodom najvjerojatnijeg broja *The most probable number method for enumeration of Escherichia coli and coliform bacteria*	HRN EN ISO 9308-2:2014 *(ISO 9308-2:2012; EN ISO 9308-2:2014)*
93.	Površinska i otpadna voda *Surface water and waste water*	Detekcija i brojenje *Escherichia coli* metodom najvjerojatnijeg broja mikrotitarskim pločama *The most probable number method for detection and numeration of Escherichia coli by microtitre plates*	HRN EN ISO 9308-3:2000 *(ISO 9308-3:1998; EN ISO 9308-3:1998)* HRN EN ISO 9308-3/Ispr.1:2000 (*ISO 9308-3:1998/Cor1:2000; EN ISO 9308-3:1998/AC:2000)*
94.	Voda za ljudsku potrošnju, voda za kupanje, otpadna voda, površinska voda, podzemna voda, tehnološka voda i led *Water for human consumption, bathing water, waste water, surface water, ground water, tehnological water and ice*	Brojenje fekalnih koliforma *Enumeration of fecal coliforms*	Vlastita metoda *In-house method* SOP-208-051 Izdanje/*Edition* 02 2022-11-11 modificirana/ *modified* HRN EN ISO 9308-2:2014 *(ISO 9308-2:2012, EN ISO 9308-2:2014)*
95.	Prirodna mineralna, izvorska i stolna voda *Natural mineral water, spring water and table water*	Detekcija i brojenje *Escherichia coli* i koliformnih bakterija na 44,5°C metodom membranske filtracije *Detection and enumeration of Escherichia coli and coliform bacteria at 44,5* °C *by membrane filtration*	Vlastita metoda/ *In-house method* SOP-431-051 Izdanje/*Edition* 01 Datum/*Date*: 2023-01-20 modificirana/ *modified* HRN EN ISO 9308-1: 2014 (*ISO 9308-1:2014, EN ISO 9308-1:2014*) HRN EN ISO 9308-1:2014/A1:2017 (*ISO 9308-1:2014/Amd 1:2016; EN ISO 9308- 1:2014/A1:2017*)

Br. *No.*	**Materijali/Proizvodi** *Materials/Products*	**Vrsta ispitivanja/Svojstvo** *Type of test/Property* **Raspon**/*Range* ili/*or* **Granica kvantifikacije**/ *Quantification limit*	**Metoda ispitivanja** *Test method*
III - Predmeti opće uporabe (POU) / *Objects of common use*			
96.	Materijali i predmeti koji dolaze u kontakt s hranom - Plastika *Materials and articles in contact with foodstuffs – Plastics*	Metode ispitivanja globalne migracije nakon punjenja i potpunog uranjanja u hlapljivim modelnim otopinama 3% octene kiseline, 10%, 20%, 50 % i 95% etanola *Test methods for overall migration after filling and total immersion in evaporable simulants of 3% acetic acid and 10%, 20%, 50% and 95% etanol*	HRN EN 1186-3:2022 *(EN 1186-3:2022)*
97.	Pulpa, papir i karton *Pulp, paper and board*	Određivanje sedam specifičnih polikloriranih bifenila (PKB : PCB-18, PCB-28, PCB-52, PCB-101, PCB-138, PCB-153, PCB-180) *Determination of seven specific polychlorinated biphenyls (*PCB: PCB-18, PCB-28, PCB-52, PCB-101, PCB-138, PCB-153, PCB-180*)*	HRN EN ISO 15318:2001 *(ISO 15318:1999; EN ISO 15318:1999)*
98.	Materijali i proizvodi u kontaktu s namirnicama-sastojci plastike podvrgnuti ograničenjima *Materials and articles in contact with foodstuffs-Plastics supstances subject to limitations*	Određivanje formaldehida u vodenim modelnim otopinama hrane (destilirana voda, 3vol.% octena kiselina) *Determination of formaldehyde in food simulans (3vol.% acetic acid, distilled water)*	HRN CEN/TS 13130-23:2005 *(CEN/TS 13130-23:2005)*
99.	Tekstil *Textiles*	Određivanje formaldehida: slobodni i hidrolizirani formaldehid (ekstrakcija vodom) *Determination of formaldehyde: Free and hydrolised formaldehyde (water extraction method)*	HRN EN ISO 14184-1:2011 *(ISO 14184-1:2011; EN ISO 14184-1:2011)*
100.	Predmeti opće uporabe Kemijski pripravci Otpadna voda, podzemna i površinska voda *Common use objects Chemical compounds Waste water, ground and surface water*	Određivanje inhibicije pokretljivosti *Daphnia magna Straus(Cladocera, Crustacea)*- Test akutne toksičnosti *Determination of the inhibition of the mobility of Daphnia magna Straus (Cladocera, Crustacea)- Acute toxicity test*	HRN EN ISO 6341:2013 *(ISO 6341:2012; EN ISO 6341:2012)*
101.	Predmeti opće uporabe Kemijski pripravci Otpadna voda, *Common use objects Chemical compounds Waste water, ground and surface water*	Ispitivanje inhibicije rasta slatkovodnih algi s jednostaničnim zelenim algama *Fresh-water algal growth inhibition test with unicellular green algae*	HRN EN ISO 8692:2012 *(ISO 8692:2012; EN ISO 8692:2012)*

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102.	Predmeti opće uporabe Kemijski pripravci *Common use objects Chemical compounds*	Procjena potpune aerobne biološke razgradnje organskih tvari u vodi - Metoda određivanja nastalog ugljikova dioksida *Evaluation of ultimate aerobic biodegradability of organic compounds in aqueous medium - Carbon dioxide evolution test*	HRN EN ISO 9439:2000 *(ISO 9439:1999; EN ISO 9439:2000)*
103.		Procjena potpune aerobne biološke razgradnje organskih tvari u vodi - Metoda određivanja biokemijske potrošnje kisika (test u zatvorenim bocama) *Evaluation in an aqueous medium of the „ultimate“ aerobic biodegradability of organic compounds - Method by analysis of biochemical oxygen demand (closed bottle test)*	HRN EN ISO 10707:2000 *(ISO 10707:1994; EN ISO 10707:1997)*
104.	Kemijska sredstva za čišćenje *Chemical cleaning agents*	Određivanje pH vrijednosti *Determination of pH value in cleaning agents*	Vlastita metoda *In-house method* SOP-469-056 Izdanje/*Edition* 01 2026-03-02
105.	Kozmetički proizvodi *Cosmetics*	Određivanje 5-kloro-2-metilizotiazol-3(2h)- ona i 2-metilizotiazol- 3(2h)-ona u kozmetičkim proizvodima HPLC tehnikom *Determination of Methylchloroisothiazolinone and Methylisothiazolinone in cosmetic products by* HPLC	Vlastita metoda *In-house method* SOP-223-053 Izdanje/*Edition* 01 2017-06-12
106.		Određivanje pH-vrijednosti *Determination of the* pH-*value*	Vlastita metoda *In-house method* SOP-261-056 Izdanje/*Edition* 02 2026-01-12
107.		Određivanje sadržaja vode u kozmetičkim proizvodima sa povećanim sadržajem vode (više od 60%) *Determination of water content in cosmetic products with increased water content (more than 60%)*	Vlastita metoda *In-house method* SOP-394-054 Izdanje/*Edition* 01 2020-03-02

Br. *No.*	**Materijali/Proizvodi** *Materials/Products*	**Vrsta ispitivanja/Svojstvo** *Type of test/Property* **Raspon**/*Range* ili/*or* **Granica kvantifikacije**/ *Quantification limit*	**Metoda ispitivanja** *Test method*
108.	Kozmetički proizvodi *Cosmetics*	Određivanje konzervansa (Benzojeva kis., Sorbinska kis., 2-Fenoksietanol, Metilparaben, Etil-paraben, Propilparaben i Butilparaben) HPLC tehnikom *Determination of preservatives (Benzoic acid, Sorbic acid, 2-Phenoxyethanol, Methylparaben, Ethylparaben, Propylparaben and Butylparaben) by HPLC*	Vlastita metoda *In-house method* SOP-273-053 Izdanja/*Edition* 02 2016-02-10
109.		Određivanje broja aerobnih mezofilnih bakterija *Enumeration of aerobic mesophilic bacteria*	HRN EN ISO 21149:2017 (*ISO 21149:2017; EN ISO 21149:2017*) HRN EN ISO 21149:2017/A1:2022; (*ISO 21149:2017/Amd 1:2022; EN ISO 21149:2017/A1:2022*)
110.		Određivanje broja kvasaca i plijesni *Enumeration of yeast and mold*	HRN EN ISO 16212:2017 *(ISO 16212:2017; EN ISO 16212:2017)* HRN EN ISO 16212:2017/A1:2022 *(ISO 16212:2017/Amd 1:2022; EN ISO 16212:2017/A1:2022)*
111.		Dokazivanje bakterije *Escherichia coli* *Detection of Escherichia coli*	HRN EN ISO 21150:2016 *(ISO 21150:2015; EN ISO 21150:2015)* HRN EN ISO 21150:2016/A1:2022 (*ISO 21150:2015/Amd 1:2022; EN ISO 21150:2015/A1:2022*)
112.		Dokazivanje bakterije *Pseudomonas aeruginosa Detection of Pseudomonas aeruginosa*	HRN EN ISO 22717:2016 *(ISO 22717:2015; EN ISO 222717:2015)* HRN EN ISO 22717:2016/A1:2022 (*ISO 22717:2015/Amd 1:2022; EN ISO 22717:2015/A1:2022*)
113.		Dokazivanje bakterije *Staphylococcus aureus Detection of Staphylococcus aureus*	HRN EN ISO 22718:2016 *(ISO 22718:2015; EN ISO 222718:2015)* HRN EN ISO 22718:2016/A1:2022; (*ISO 22718:2015/Amd 1:2022; EN ISO 22718:2015/A1:2022*)

Br. *No.*	**Materijali/Proizvodi** *Materials/Products*	**Vrsta ispitivanja/Svojstvo** *Type of test/Property* **Raspon**/*Range* ili/*or* **Granica kvantifikacije/** *Quantification limit*	**Metoda ispitivanja** *Test method*
114.		Dokazivanje kvasca *Candida albicans* *Detection of Candida albicans*	HRN EN ISO 18416:2016 (*ISO 18416:2015, ispravljena verzija 2016-12-15; EN ISO 18416:2015*) HRN EN ISO 18416:2016/A1:2022 (*ISO 18416:2015/Amd 1:2022; EN ISO 18416:2015/A1:2022*)

Br. *No.*	**Materijali/Proizvodi** *Materials/Products*	**Vrsta ispitivanja/Svojstvo** *Type of test/Property* **Raspon**/*Range* ili/*or* **Granica kvantifikacije/** *Quantification limit*	**Metoda ispitivanja** *Test method*
IV – Otpad, voda, tlo, muljevi i eluati / *Waste, water, soil, sludges and eluate*			
115.	Tlo *Soil*	Uzorkovanje *Sampling*	HRN ISO 18400-102:2017 *(ISO 18400-102:2017)*
116.	Mulj *Sludge*	Uzorkovanje *Sampling*	HRN EN ISO 5667-13:2011 *(ISO 5667-13:2011; EN ISO 5667-13:2011)*
117.	Otpad *Waste*	Uzorkovanje *Sampling*	HRI CEN/TR 15310-(2-5):2008 (*CEN/TR 15310-(2-5):2006)*
118.	Kruta oporabljena goriva SRF *Solid recoverd fuels*	Uzorkovanje *Sampling*	HRN EN ISO 21645:2021 *(ISO 21645:2021; EN ISO 21645:2021)*
119.	Eluat otpada *Waste eluate*	Određivanje ukupno otopljenih krutina (TDS) u vodi i eluatima *Determination of total dissolved solids (TDS)in water and eluates* Granica kvantifikacije/ *Quantification limit* 100 mg/L	HRN EN 15216:2021 *(EN 15216:2021)*
120.		Određivanje pH vrijednosti u vodi i eluatima tla i otpada *Determination of* pH *in water and waste and soil eluates* od/*from* 2 do/*to* 12	HRN EN ISO 10523:2012 *(ISO 10523:2008; EN ISO 10523:2012)*
121.	Tlo, mulj *Soil, sludge*	Određivanje pH vrijednosti *Determination of* pH od/*from* 2 do/*to* 12	HRN ISO 10390:2022 *(ISO 10390:2021; EN ISO 10390:2022)*
122.	Kruta oporabljena goriva SRF *Solid recoverd fuels*	Određivanje sadržaja vlage *Determination of the moisture content*	HRN EN ISO 21660-3:2021 *(ISO 21660-3:2021; EN ISO 21660-3:2021)*
123.	Kruta oporabljena goriva SRF *Solid recoverd fuels*	Određivanje sadržaja pepela *Determination of the ash content*	HRN EN ISO 21656:2021 *(ISO 21656:2021; EN ISO 21656:2021)*
124.		Određivanje sadržaja biomase *Determination of the biomass content*	HRN EN ISO 21644:2021 (*ISO 21644:2021; EN ISO 21644:2021*)

Br. *No.*	**Materijali/Proizvodi** *Materials/Products*	**Vrsta ispitivanja/Svojstvo** *Type of test/Property* **Raspon**/*Range* ili/*or* **Granica kvantifikacije**/ *Quantification limit*	**Metoda ispitivanja** *Test method*
125.	Voda za ljudsku potrošnju, prirodna mineralna, izvorska, stolna, sirova, površinska, podzemna, tehnološka i otpadna voda, i eluat otpada *Water for human consumption, natural mineral water, spring water, table water, raw water, surface water, ground water, tehnological water and waste water and waste eluate*	Određivanje koncentracije žive atomskom apsorpcijskom spektrometrijom (hidridna tehnika) *Determination of mercury by atomic absorption spectrometry (hydride tehnique)* Granica kvantifikacije 0,1 µg/L za vodu za ljudsku potrošnju, prirodnu mineralnu, izvorsku, stolna, sirova, površinska, podzemna i tehnološku Granica kvantifikacije za otpadnu vodu 0,001 mg/L Granica kvantifikacije za eluat otpada 0,002 mg/kg s. *Quantification limit* 0,1 µg/L *for water for human consumption, natural mineral water, spring water, table water, surface water, ground water Quantification limit* 0,0001 mg/L *for waste water Quantification limit* 0,002 mg/kg d. w. *for eluate*	Vlastita metoda *In house method* SOP-22-053 Izdanje/*Edition* 06 2023-07-14 modificirana *modified* HRN EN ISO 12846:2012 *(ISO 12846:2012; EN ISO 12846:2012)*
126.	Voda za ljudsku potrošnju, prirodna mineralna, izvorska, stolna, sirova, površinska, podzemna, tehnološka i otpadna voda, i eluat otpada *Water for human consumption, natural mineral water, spring water, table water, raw water, surface water, ground water, tehnological water and waste water and waste eluate*	Određivanje ukupnog organskog ugljika (UOU) i otopljenog organskog ugljika (OOU) *Determination of total organic carbon* (TOC) *and dissolved organic carbon* (DOC) Granica kvantifikacija/ *Quantification limit* 0,50 mg/L	HRN EN 1484:2002 *(EN 1484:1997)*

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127.	Voda za ljudsku potrošnju, prirodna mineralna, izvorska, stolna, sirova, površinska, podzemna, tehnološka i otpadna voda, eluat otpada i tla *Water for human consumption, natural mineral water, spring water, table water, raw water, surface water, ground water, tehnological water and waste water, waste and soil eluate*	Određivanje adsorbilnih organski vezanih halogena (AOX) *Determination of adsorbable organically bound halogens* (AOX) Granica kvantifikacija/ *Quantification limit* 0,020 mg/L	HRN EN ISO 9562:2008 *(ISO 9562:2004; EN 9562:2004)*
128.	Otpadna voda i eluat otpada *Waste water and waste eluate*	Određivanje fluorida elektrokemijskom metodom *Determination of fluoride by electrochemical probe method* Granica kvantifikacija/ *Quantification limit* 0,200 mg/L	HRN ISO 10359-1:1998 *(ISO 10359-1:1992)*
129.	Otpadna ulja, otpad, mulj i kruta oporabljena goriva *Waste oil, waste, sludge, solid recovered fuels*	Određivanje ogrjevne (toplinske) vrijednosti kalorimetrijskom metodom *Determination of net calorific value by calorimetric method*	ISO 1928: 2025; HRN EN 15170:2010; *(EN 15170:2010)* HRN EN ISO 21654:2021 *(ISO 21654:2021; EN ISO 21654:2021* HRS CEN/TS 16023:2014 *(CEN/TS 16023:2013)*

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130.	Tlo, mulj i otpad *Soil, sludge and waste*	Određivanje policikličkih aromatskih ugljikovodika (acenaften, fluoren, fenantren, antracen, fluoranten, piren, benzo(a)antracen, krizen, benzo(b)fluoranten, benzo(k)fluoranten, benzo(a)piren, benzo(g,h,i)perilen, dibenz(a,h)antracen, indeno(1,2,3-cd)piren) *Determination of polycyclic aromatic hydrocarbons (acenaphthene, fluorene, phenanthrene, anthracene, fluoranthene, pyrene, benzo(a)anthracene, chrysene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo (a)pyrene, benzo(g,h,i)perylene, dibenz(a,h)anthracene, indeno (1,2,3 - cd)pyrene)* Granica kvantifikacije/ *Quantification limit* 0,01 mg/kg	Vlastita metoda *In-house method* SOP-145-053 Izdanje/*Edition* 02 2022-11-16

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131.	Tlo *Soil*	Određivanje BTEX-a (benzen, toluen, etilbenzen, m-,p-,o-ksilen) i mineralnih ulja u tlu plinskom kromatografijom i spektrometrijom masa *Determination of BTEX (benzene, toluene, ethylbenzene,m-,p-,o-xylene) and mineral oils in soil by gas chromatography and mass spectrometry* Granica kvantifikacije 1,0 mg/kg za svaki analit iz skupine BTEX-a pojedinačno i 200 mg/kg za mineralna ulja Quantification limit 1,0 mg/kg *for each BTEX analyte individually* *and* 200 mg/kg *for mineral oil*	Vlastita metoda *In-house method* SOP-231-053 Izdanje/*Edition* 02 2026-03-23
132.	Tlo, mulj, kruti i tekući otpad *Soil, sludge, solid and liquid waste*	Određivanje suhog ostatka, gubitka žarenjem, pepela i sadržaja vode na osnovi mase - Gravimetrijska metoda *Determination of dry matter, losson ignition, ash and water content on a mass basis - Gravimetric method*	HRN EN 15934:2013 *(EN 15934:2012)* HRN ISO 11465:2025 *(ISO 11465:2025; EN ISO 11465:2025)* HRN EN 15935:2021 *(EN 15935:2021)* HRN EN ISO 6245:2003 (*ISO 6245:2001; EN ISO 6245:2002*)
133.	Otpad, mulj, tlo i sediment *Waste, sludge, soil and sediment*	Određivanje ukupnog organskog ugljika (UOU) *Determination of total organic carbon* (TOC)	HRN EN 15936:2022 *(EN 15936:2022)*
134.	Muljevi, otpad, tlo i sediment *Sludge, waste, soil and sediment*	Određivanje dušika po Kjeldahlu *Determination of Kjeldahl nitrogen*	HRN EN 16169:2013 *(EN 16169:2012)*

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135.	Rabljena ulja *Used oils*	Razdvajanje i određivanje kongenera PCB-a (PCB-28, PCB-52, PCB-101, PCB-138, PCB-153, PCB-180) plinskom kromatografijom uz detektor zahvata elektrona *Separation and determination of PCB congeners (*PCB-28, PCB-52, PCB-101, PCB-138, PCB-153, PCB-180*) by gas chromatography with electron capture detector* Granica kvantifikacija/ *Limit of quantification* 0,1 mg/kg za svaki pojedini kongener/*for each cngener* 1 mg/kg za ukupne PCB-e/*total* PCB *content*	HRN EN 12766-1:2002 *(EN 12766-1:2000)* HRN EN 12766-2:2002 *(EN 12766-2:2001)*
136.	Otpadna voda *Waste water*	Određivanje ukupnih ugljikovodika C_{10} do C_{40} u otpadnoj vodi primjenom plinske kromatografije i spektrometrije masa (GC MS) *Determination of total petroleum hydrocarbons C_{10} to C_{40} by Gas Chromatography Mass Spectrometry (*GC MS*)* Granica kvantifikacija/ *Quantification limit* 0,25 mg/L	Vlastita metoda/ *In-house method* SOP-443-053 Izdanje/*Edition* 01 2023-05-03
137.	Tlo, mulj, otpad *Soil, sludge, waste*	Određivanje i prebrojavanje *E. coli* u muljevima tlima i biološkom otpadu metodom najvjerojatnijeg broja mikrotitarskim pločama *The most probable number method for detection and enumeration of Escherichia coli in sludges, soils and biowastes by microtiter plates*	HRI CEN/TR 15214-2:2008 (CEN/TR 15214-2:2006)
138.	Tlo, mulj, otpad *Soil, sludge, waste*	Određivanje *Salmonella* u mulju, tlu i biološkom otpadu *Detection of Salmonella in soil, sludge and biowastes*	HRI CEN/TR 15215-3:2008 (CEN/TR 15215-3:2006)

Uz pripremu analitičkog uzorka eluata otpada prema HRN EN 12457-4:2005 (EN 12457-4:2002)/*With preparation of waste eluates for analysis according to HRN EN 12457-4:2005*

(EN 12457-4:2002)

Br. *No.*	**Materijali/Proizvodi** *Materials/Products*	**Vrsta ispitivanja/Svojstvo** *Type of test/Property* **Raspon**/*Range* ili/*or* **Granica kvantifikacije**/ *Quantification limit*	**Metoda ispitivanja** *Test method*
		V – Zrak / ***Air***	
139.	Vanjski zrak *Ambient air*	Aerobiološka volumetrijska metoda za određivanje kvalitativnog i kvantitativnog sadržaja peluda *Aerobiological volumetric method for the determination of qualitative and quantitative content of pollen*	Vlastita metoda *In-house method* SOP-48-058 Izdanje/*Edition* 03 2015-05-25
140.		Standardna metoda za mjerenje koncentracije ugljikova monoksida nedisperzivnom infracrvenom spektroskopijom *Standard method for the measurement of the concentration of carbon monoxide by non-dispersive infrared spectroscopy*	HRN EN 14626: 2025 *(EN 14626: 2024)*
141.		Standardna metoda za mjerenje koncentracije dušikova dioksida i dušikova monoksida u zraku kemiluminiscencijom *Standard method for the measurement of the concentration of nitrogen dioxide and nitrogen monoxide by chemiluminescence*	HRN EN 14211: 2025 *(EN 14211: 2024)*
142.		Standardna metoda za mjerenje koncentracija sumporova dioksida u zraku ultraljubičastom fluorescencijom *Standard method for the measurement of the concentration of sulphur dioxide by ultraviolet fluorescence*	HRN EN 14212:2025 *(EN 14212:2024)*
143.	Vanjski zrak *Ambient air*	Standardna metoda za mjerenje koncentracije ozona ultraljubičastom fotometrijom *Standard method for the measurement of the concentration of ozone by ultraviolet photometry*	HRN EN 14625: 2025 *(EN 14625: 2024)*
144.		Određivanje ukupne taložne tvari (UTT) u zraku prema Bergerhoff metodi *Determination of total deposited matter (TDM) in the air according to Bergerhoff method*	VDI 4320-2:2012, 2. dio/ *part 2*

Br. *No.*	**Materijali/Proizvodi** *Materials/Products*	**Vrsta ispitivanja/Svojstvo** *Type of test/Property* **Raspon**/*Range* ili/*or* **Granica kvantifikacije/** *Quantification limit*	**Metoda ispitivanja** *Test method*
145.		Određivanje količine arsena, kadmija, olova, nikla u ukupnoj taložnoj tvari zraka primjenom induktivno spregnute plazme sa spektrometrijom masa *Determination of arsmikrobiologija enic, cadmium, lead, nickel in the total deposition of air by inductively coupled plasma with mass spectrometry* Granica kvantifikacije/ *Quantification limit* As 0,2 $\mu gm^{-2}/d$ Cd 0,1 $\mu gm^{-2}/d$ Pb 1 $\mu gm^{-2}/d$ Ni 2 $\mu gm^{-2}/d$	HRN EN 15841:2010 (*EN 15841:2009*)
146.	Vanjski zrak *Ambient air*	Određivanje talija u ukupnoj taložnoj tvari zraka primjenom induktivno spregnute plazme sa spektrometrijom masa *Determination of thallium in total deposition of air by inductively coupled plasma with mass spectrometry* Granica kvantifikacije/ *Qantification limit* 0,8 $\mu gm^{-2}/d$	Vlastita metoda *In-house method* SOP-350-053 Izdanje/*Edition* 02 2020-12-01
147.		Određivanje žive u ukupnoj taložnoj tvari zraka atomskom apsorpcijskom spektrometrijom *Determination of mercury in total deposition of air by atomic absorption spectrometry* Granica kvantifikacije/ *Qantification limit* 0,07 $\mu gm^{-2}/d$	Vlastita metoda *In-house method* SOP-168-053 Izdanje/*Edition* 01 2018-01-12
148.	Unutarnji zrak *Indoor air*	Mikrobiološko uzorkovanje zraka *Microbiological sampling of air*	ISO 16000-18:2011 (ISO 16000-18:2011/Cor1:2011) HRN EN 13098:2019 *(EN 13098:2019)*
149.		Detekcija i brojanje mikroorganizama *Detection amd enumeration of microorganisms*	ISO 16000-17:2008/Cor1:2009 *(ISO 16000-17:2008/Cor1:2009)* HRN EN 13098:2019 *(EN 13098:2019)*

Br. *No.*	**Materijali/Proizvodi** *Materials/Products*	**Vrsta ispitivanja/Svojstvo** *Type of test/Property* **Raspon**/*Range*	**Metoda ispitivanja** *Test method*
VI – Građevni proizvodi / *Construction products*			
150.	Kanalizacijski sustavi *Sewer systems*	Ispitivanje vodonepropusnosti vodom *Testing of watertightness by water*	HRN EN 1610:2015(1) *(EN 1610:2015)* Točka/ *Clause* 13.3
151.	Građevine odvodnje i vodoopskrbne građevine *Sewer constructions and water supply*	Ispitivanje vodonepropusnosti *Testing of watertightness*	HRN EN 1508: 2025(1) *(EN 1508:2025)* Točka/ *Clause* 8.1
(1) Zadovoljava zahtjeve / *Satisfies requirements of* HAA-Pr-2/12, Pravila za akreditaciju ispitivanja vodoopskrbnih i odvodnih sustava / *Rules for accreditation for testing of water supply and drainage systems*			

FLEKSIBILNO PODRUČJE AKREDITACIJE/*FLEXIBLE SCOPE OF ACCREDITATION*

Br. *No.*	**Oznaka/** *Identification*	**Materijali/Proizvodi** *Materials/Products*	**Vrsta ispitivanja/Svojstvo** *Type of test/Property* **Granica kvantifikacije/** *Quantification limit*	**Tehnika /** Technique	**Metoda ispitivanja /** *Test method*
I – Hrana i hrana za životinje **Aditivi (A)** Sladila (A1), Kofein i konzervansi (A2), Nitriti (A3), **Kontaminanti (B)** Ostaci pesticida (B1) –GC-MS/MS (B1-1), UPLC-MS/MS (B1-2), GC-ECD (B1-3), Metali (B2) **–**AAS: PAAS, MHS, DMA, (B2-1), ICP- MS (B2-2), AAS-ICP-MS(B2-3), Mikotoksini (B3), Nitrati (B4), Cijanurna kiselina (B5), Policiklički aromatski ugljikovodici (B6), **Kvaliteta (C), Farmakološki aktivne tvari (D)** Kloramfenikol (D1), Sulfonamidi (D2), **Alergeni (E)** i **Biljni toksini (F)**. ***I – Food and animal feeding stuffs*** ***Additives (A)*** *Sweeteners (A1), Caffeine and preservatives (A2), Nitrites (A3),* ***Contaminants (B)*** *Pesticide residues (B1) –GC-MS (B1-1), UPLC-MS/MS (B1-2), GC-ECD (B1-3), Metals (B2)* – AAS: PAAS, MHS, DMA, (B2-1), ICP- MS (B2-2), AAS-ICP-MS(B2-3), *Mycotoxins (B3), Nitrates and nitrites (B4), Cyanuric acid* (B5), *Polycyclic aromatic hydrocarbons (B6),* ***Quality (C), Pharmacologically active substances (D)*** *Chloramphenicol (D1), Sulfonamides (D2),* ***Allergens (E)*** *and* ***Plant toxins (F)***				
1.	I A1	Hrana *Food*	Određivanje sladila *Determination of sweeteners*	HPLC UV	Prema popisu metoda dostupnom na www.stampar.hr *According to the list of methods available on* www.stampar.hr
2.	I A2	Hrana *Food*	Određivanje kofeina i konzervansa *Determination of caffeine and preservatives*	HPLC UV	Prema popisu metoda dostupnom na www.stampar.hr *According to the list of methods available on* www.stampar.hr
3.	I A3	Hrana *Food*	Određivanje nitrita *Determination of nitrites*	HPLC UV	Prema popisu metoda dostupnom na www.stampar.hr *According to the list of methods available on* www.stampar.hr
4.	I B1-1	Hrana *Food*	Ostaci pesticida *Determination of pesticide residues*	GC-MS/MS	Prema popisu metoda dostupnom na www.stampar.hr *According to the list of methods available on* www.stampar.hr

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5.	I B1-2	Hrana *Food*	Ostaci pesticida *Determination of pesticide residues*	UPLC-MS/MS	Prema popisu metoda dostupnom na www.stampar.hr *According to the list of methods available on* www.stampar.hr
6.	I B1-3	Hrana *Food*	Ostaci pesticida *Determination of pesticide residues*	GC-ECD	Prema popisu metoda dostupnom na www.stampar.hr *According to the list of methods available on* www.stampar.hr
7.	I B2-1	Hrana *Food*	Određivanje metala *Determination of metals*	AAS (PAAS, MHS, DMA)	Prema popisu metoda dostupnom na www.stampar.hr *According to the list of methods available on* www.stampar.hr
8.	I B2-2	Hrana i hrana za životinje *Food and animal feeding stuffs*	Određivanje metala *Determination of metals*	ICP – MS	Prema popisu metoda dostupnom na www.stampar.hr *According to the list of methods available on* www.stampar.hr
9.	I B3	Hrana *Food*	Određivanje mikotoksina *Determination of mycotoxins*	LC-MS/MS UPLC-MS/MS HPLC-FLD	Prema popisu metoda dostupnom na www.stampar.hr *According to the list of methods available on* www.stampar.hr
10.	I B4	Hrana *Food*	Određivanje nitrata *Determination of nitrates*	HPLC UV	Prema popisu metoda dostupnom na www.stampar.hr *According to the list of methods available on* www.stampar.hr
11.	I B5	Mlijeko *Milk*	Određivanje cijanurne kiseline *Determination of cyanuric acid*	LC-MS/MS UPLC-MS/MS	Prema popisu metoda dostupnom na www.stampar.hr *According to the list of methods available on* www.stampar.hr

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12.	I B6	Hrana Food	Određivanje policikličkih aromatskih ugljikovodika *Determination of polycyclic aromatic hydrocarbons*	HPLC FLD	Prema popisu metoda dostupnom na www.stampar.hr *According to the list of methods available on* www.stampar.hr
13.	I C1	Hrana *Food*	Određivanje ugljikohidrata *Determination of carbohydrates*	HPLC RID	Prema popisu metoda dostupnom na www.stampar.hr *According to the list of methods available on* www.stampar.hr
14.	I D1	Hrana *Food*	Određivanje kloramfenikola *Determination of chloramphenicol*	LC-MS/MS UPLC-MS/MS	Prema popisu metoda dostupnom na www.stampar.hr *According to the list of methods available on* www.stampar.hr
15.	I D2	Hrana *Food*	Određivanje sulfonamida *Determination of sulfonamides*	LC-MS/MS UPLC-MS/MS	Prema popisu metoda dostupnom na www.stampar.hr *According to the list of methods available on* www.stampar.hr
16.	I E1	Hrana *Food*	Određivanje alergena *Determination of allergens*	ELISA	Prema popisu metoda dostupnom na www.stampar.hr *According to the list of methods available on* www.stampar.hr
17.	I F1 I F2	Hrana *Food*	Određivanje biljnih toksina *Determination of plant toxins*	LC-MS/MS GC-FID	Prema popisu metoda dostupnom na www.stampar.hr *According to the list of methods available on* www.stampar.hr

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II – Voda **Odabrani elementi i kontaminanti (A)** Odabrani metali (A1), Odabrani anioni (A2), Odabrani kationi (A3), Ostaci pesticida (A4), Sredstava za zaštitu bilja (A5) **II – Water** ***Selected elements and contaminants (A)*** *Selected metals (A1), Selected anions (A2), Selected kations (A3), Pesticide residues (A4), Plant treatment agents (A5)*					
18.	II A1	Voda *Water*	Određivanje metala *Determination of metals*	ICP –MS ICP-OES	Prema popisu metoda dostupnom na www.stampar.hr *According to the list of methods available on* www.stampar.hr
19.	II A2	Voda *Water*	Određivanje otopljenih aniona *Determination of dissolved anions*	IC	HRN EN ISO 10304-1:2009 *(ISO 10304-1:2007, EN ISO 10304-1:2009)*
20.	II A3	Voda *Water*	Određivanje otopljenih kationa *Determination of dissolved cations*	IC	HRN EN ISO 14911:2001 *(ISO 14911:1998; EN ISO 14911:1999)*
21.	II A4-1	Voda *Water*	Određivanje ostataka pesticida *Determination of pesticide residues*	UPLC-MS/MS	Prema popisu metoda dostupnom na www.stampar.hr *According to the list of methods available on* www.stampar.hr
22.	II A4-2	Voda *Water*	Određivanje ostataka pesticida *Determination of pesticide residues*	GC-ECD	Prema popisu metoda dostupnom na www.stampar.hr *According to the list of methods available on* www.stampar.hr
23.	II A5	Voda *Water*	Određivanje sredstava za zaštitu bilja *Determination of Plant Protection Products*	HPLC	Prema popisu metoda dostupnom na www.stampar.hr *According to the list of methods available on* www.stampar.hr

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III - Predmeti opće uporabe Ftalati (A), Prijelaz (otpuštanje) određenih metala (B): ICP- MS i ICP-OES (B1), MHS (B2) ***III - Objects of common use*** *Phtalates (A), Migration of certain metals (B): ICP- MS and ICP-OES (B1), MHS (B2)*					
24.	III A1	Predmeti opće uporabe *Objects of Common use* Igračke *Toys*	Određivanje ftalata *Determinstion of phtalates*	GC-MS	Prema popisu metoda dostupnom na www.stampar.hr *According to the list of methods available on* www.stampar.hr
25.	III B1-1	Igračke Toys	Određivanje prijelaza odabranih elemenata *Determination the migration of certain elements*	ICP-MS ICP-OES	Prema popisu metoda dostupnom na www.stampar.hr *According to the list of methods available on* www.stampar.hr
26.	III B1-2	Materijali i predmeti koji dolaze u kontakt s hranom *Food contact materials and articles*	Određivanje otpuštenih elemenata *Determination of released elements*	ICP- MS	Prema popisu metoda dostupnom na www.stampar.hr *According to the list of methods available on* www.stampar.hr
27.	III B1-3	Kozmetički proizvodi *Cosmetics*	Određivanje metala *Determination of metals*	ICP- MS	Prema popisu metoda dostupnom na www.stampar.hr *According to the list of methods available on* www.stampar.hr

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28.	III B2	Igračke *Toys*	Određivanje prijelaza žive *Determination the migration of mercury*	MHS	Prema popisu metoda dostupnom na www.stampar.hr *According to the list of methods available on* www.stampar.hr

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IV - Otpad, voda, tlo, muljevi i eluati Odabrani elementi i kontaminanti (A) Odabrani metali (A1), Odabrani anioni (A2), Ostaci pesticida (A3) **IV - *Waste, water, soil, sludges and eluate*** *Selected elements and contaminants (A) Selected metals (A1), Selected anions (A2), Pesticide residues (A3)*					
29.	IV A1	Tlo, mulj, kruti i tekući otpad *Soil, sludge, solid and liquid waste* Eluati tla i otpada *Soil and waste eluates*	Određivanje metala *Determination of metals*	AAS ICP-OES	Prema popisu metoda dostupnom na www.stampar.hr *According to the list of methods available on* www.stampar.hr
30.	IV A2	Eluati tla i otpada *Soil and waste eluates*	Određivanje otopljenih aniona *Determination of dissolved anions*	IC	HRN EN ISO 10304-1:2009 *(ISO 10304-1:2007, EN ISO 10304-1:2009)*
31.	IV A3	Tlo *Soil*	Određivanje pesticida *Determination of pesticide residues*	GC-MS/MS	Prema popisu metoda dostupnom na www.stampar.hr *According to the list of methods available on* www.stampar.hr

Napomena/*Note:*

- HPLC- RID: tekućinska kromatografija visoke djelotvornosti s refraktometrijskom detekcijom, *(engl. High performance liquid chromatography with refractometric detection, HPLC-RID)*
- HPLC- UV: tekućinska kromatografija visoke djelotvornosti s detekcijom u ultraljubičastom području *(engl. High performance liquid chromatography with ultraviolet detection, HPLC – UV)*
- HPLC- FLD: tekućinska kromatografija visoke djelotvornosti s fluorescencijskom detekcijom, *(engl. High performance liquid chromatography with fluorescence detection, HPLC-FLD)*
- AAS: atomska apsorpcijska spektrometrija, *(engl. Atomic absorption spectrometry, AAS*)
- PAAS: plamena tehnika, (*engl.Flame technique, FAAS*)
- MHS: hidridna tehnika, (*engl. hydride technique or (Metal hydrid system, MHS*)
- GC-MS: plinska kromatografija-spektrometrija masa (*engl. Gas chromatography-mass spectrometry, GC-MS*)
- GC-MS/MS: plinska kromatografija spregnuta s tandemnom spektrometrijom masa *(engl. Gas chromatography- tandem mass spectrometry, GC-MS/MS)*
- GC-ECD: Plinska kromatografija uz detektor zahvata elektrona (*engl. Gas chromatography-Electron capture detector, GC-ECD*)
- GC-FID: Plinska kromatografija s plameno ionizacijskim detektorom, *(Gas chromatography with a flame ionization detector, GC-FID)*
- ICP MS: induktivno spregnute plazme i spektrometrije masa, (*engl. Inductively coupled plasma – mass spectrometry, ICP-MS)*
- ICP-OES: induktivno spregnuta plazma s optičkom emisijskom spektroskopijom, (*eng. Inductively coupled plasma optical emission spectroscopy, ICP-OES)*
- LC-MS/MS: tekućinska kromatografija i višestruka spektrometrija masa (*engl. Liquid chromatography – tandem mass spectrometry, LC-MS/MS)*
- IC: ionska kromatografija *(engl. Ion-exchange chromatography, IC)*
- UPLC-MS/MS: tekućinska kromatografija ultravisoke djelotvornosti spregnuta s tandemnim spektrometrom masa *(engl. Ultra performance liquid chromatography – tandem mass spectrometry, UPLC-MS/MS)*
- ELISA: imunoenzimatska tehnika (*engl. Enzyme-linked immunosorbent assay*)

Fleksibilnim područjem akreditacije dopušta se laboratoriju primjena metoda ispitivanja na materijale/proizvode, vrstu ispitivanja/svojstvo i raspone unutar područja, u skladu s dokumentiranim i odobrenim postupcima laboratorija.
Flexible scope allows laboratory application test methods in materials/products, type of test/property and ranges within the scope, in accordance with the laboratory's documented and approved procedures.

Važeći popis akreditiranih metoda iz fleksibilnog područja akreditacije dostupan je na www.stampar.hr
The valid list of accredited methods in the flexible scope is available on www.stampar.hr