



## Potvrda o akreditaciji Accreditation Certificate

**Ovime se utvrđuje da je**  
This is to recognize that

**Nastavni zavod za javno zdravstvo "Dr. Andrija Štampar"**  
**Služba za zaštitu okoliša i zdravstvenu ekologiju**  
Mirogojska 16, HR-10000 Zagreb

**osposobljen prema zahtjevima norme**  
is competent according to  
**HRN EN ISO/IEC 17025:2017**  
(ISO/IEC 17025:2017;  
EN ISO/IEC 17025:2017)  
**za/to carry out**

**Ispitivanje hrane, hrane za životinje, vina, alkoholnih pića,  
predmeta opće uporabe, voda, mikrobiološke čistoće objekata,  
otpada, tla, muljeva, eluata, krutih oporabljenih goriva, zraka i  
građevnih proizvoda**  
**Uzorkovanje hrane, voda, tla, muljeva, otpada i zraka i uzorkovanje  
krutih oporabljenih goriva**  
Testing of food, animal feeding stuffs, wine, alcoholic drinks, objects of  
common use, waters, microbiological cleanliness of facilities, waste, soil,  
sludges, eluate, solid recovered fuels, air and  
construction products  
Sampling of food, waters, soil, sludge, waste and air and sampling of solid  
recovered fuels

**u području opisanom u prilogu koji je sastavni dio ove potvrde o  
akreditaciji.**  
for the scope described in the annex which is the constituent part of  
this accreditation certificate.

**Br./No.:** 1040  
**Klasa/Ref.No.:** 383-02/18-30/025  
**Urbroj/Id.No.:** 569-02/6-21-13  
Zagreb, 2021-02-05

**Akreditacija istječe**-Accreditation expiry: 2023-11-26  
**Prva akreditacija**-Initial accreditation: 2003-12-08

**HAA je potpisnica multilateralnog sporazuma s Europskom organizacijom za akreditaciju (EA)**  
HAA is a signatory of the European co-operation for Accreditation (EA) Multilateral Agreement

**v. d. ravnateljica:**  
Acting Director General:  
Ankica Barišić, dipl. ing.



**Hrvatska akreditacijska agencija**  
Croatian Accreditation Agency



HAA

Hrvatska akreditacijska agencija  
Croatian Accreditation Agency

**PRILOG POTVRDI O AKREDITACIJI br: 1040**

*Annex to Accreditation Certificate Number:*

Klasa/Ref. No.: 383-02/18-30/025

Urbroj/Id. No.: 569-02/3-22-20

Datum izdanja priloga /Annex Issued on: 2022-08-02

Zamjenjuje prilog/Replaces Annex:

Klasa/Ref. No.: 383-02/18-30/025

Urbroj/Id. No.: 569-02/6-21-14

Datum izdanja priloga /Annex Issued on: 2021-02-05

**Norma: HRN EN ISO/IEC 17025:2017**

*Standard: (ISO/IEC 17025:2017; EN ISO/IEC 17025:2017)*

**Akreditacija istječe: 2023-11-26**

*Accreditation expiry:*

**Prva akreditacija: 2003-12-08**

*Initial accreditation:*

**Akreditirani laboratorij**

*Accredited laboratory*

**Nastavni zavod za javno zdravstvo „Dr. Andrija Štampar“**

**Služba za zaštitu okoliša i zdravstvenu ekologiju**

Mirogojska 16, HR-10000 Zagreb

**Područje akreditacije:**

*Scope of accreditation:*

**Ispitivanje hrane, hrane za životinje, vina, alkoholnih pića, predmeta opće uporabe, voda, mikrobiološke čistoće objekata, otpada, tla, muljeva, eluata, krutih oporabljenih goriva, zraka i građevnih proizvoda**

**Uzorkovanje hrane, voda, tla, muljeva, otpada i zraka i uzorkovanje krutih oporabljenih goriva**

*Testing of food, animal feeding stuffs, wine, alcoholic drinks, objects of common use, waters, microbiological cleanliness of facilities, waste, soil, sludges, eluate, solid recovered fuels, air and construction products*

*Sampling of food, waters, soil, sludge, waste and air and sampling of solid recovered fuels*

Važeće izdanje Priloga dostupno je na web adresi: [www.akreditacija.hr](http://www.akreditacija.hr) /  
Valid issue of the Annex is available at the web address: [www.akreditacija.hr](http://www.akreditacija.hr)

**Ravnateljica:**

*Director General:*

**mr. sc. Mirela Zečević**

**PODRUČJE AKREDITACIJE / SCOPE OF ACCREDITATION**

| <b>Br. No.</b>                                                         | <b>Materijali/Proizvodi<br/>Materials/Products</b>                                                          | <b>Vrsta ispitivanja/Svojstvo<br/>Type of test/Property<br/>Raspon/Range ili/or<br/>Granica kvantifikacije/<br/>Quantification limit</b>                                | <b>Metoda ispitivanja<br/>Test method</b>                                                                                                                                                                                                                  |
|------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>I - Hrana i hrana za životinje / Food and animal feeding stuffs</b> |                                                                                                             |                                                                                                                                                                         |                                                                                                                                                                                                                                                            |
| 1.                                                                     | Hrana<br>Food                                                                                               | Uzorkovanje za kontrolu količine mikotoksina<br>Sampling for the control of the levels of mycotoxins                                                                    | Uredba Komisije (EZ) br. 401/2006<br>Commission Regulation (EU) No 401/EC/2006<br><br>Uredba Komisije (EZ) br. 178/2010<br>Commission Regulation (EU) No 178/EC/2010<br><br>Uredba Komisije (EZ) br. 519/2014<br>Commission Regulation (EU) No 519/EC/2014 |
| 2.                                                                     | Hrana pripremljena kod subjekata koji posluju s hranom<br>Food prepared by the entities that work with food | Uzorkovanje hrane u svrhu mikrobioloških ispitivanja<br>Food sampling for microbiological analysis                                                                      | Vodič za uzorkovanje hrane u svrhu analize<br>NMKL Procedure No. 12: Guide on sampling for analysis of food, 2014.<br><br>HRS CEN ISO/TS 17728:2015<br>(CEN ISO/TS 17728:2015)                                                                             |
| 3.                                                                     | Uzorkovanje s površina<br>Sampling from surfaces                                                            | Horizontalna metoda za postupke uzorkovanja s površina upotrebom otisaka i briseva<br>Horizontal method for sampling techniques from surfaces using dipslides and swabs | HRN EN ISO 18593:2019<br>(ISO 18593:2018; EN ISO 18593:2018)                                                                                                                                                                                               |
| 4.                                                                     | Hrana biljnog porijekla<br>Food of plant origin                                                             | Uzorkovanje za kontrolu ostataka pesticida<br>Sampling for the control of pesticide residues                                                                            | Direktiva Komisije (EZ) br. 63/2002<br>Commission directive 2002/63/EC                                                                                                                                                                                     |

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|---------|--------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 5.      | Hrana i hrana za životinje<br>Food and animal feeding stuffs | Horizontalna metoda za otkrivanje <i>Escherichia coli</i> O157<br><i>Horizontal method for the detection of Escherichia coli O157</i>                                                               | HRN EN ISO 16654:2003<br>(ISO 16654:2001;<br>EN ISO 16654:2001)                                                                                                         |
| 6.      |                                                              | Horizontalna metoda za brojenje sulfitreducirajućih bakterija u anaerobnim uvjetima<br><i>Horizontal method for the enumeration of sulfite-reducing bacteria growing under anaerobic conditions</i> | HRN ISO 15213:2004<br>(ISO 15213:2003)                                                                                                                                  |
| 7.      |                                                              | Metoda određivanja broja kolonija <i>Listeria monocytogenes</i> i drugih <i>Listeria</i> spp.<br><i>Enumeration of Listeria monocytogenes and of Listeria spp.</i>                                  | HRN EN ISO 11290-2:2017<br>(ISO 11290-2:2017;<br>EN ISO 11290-2:2017)                                                                                                   |
| 8.      |                                                              | Dokazivanje prisutnosti <i>Salmonella</i> spp.<br><i>Detection of Salmonella spp.</i>                                                                                                               | HRN EN ISO 6579-1:2017<br>(ISO 6579-1:2017;<br>EN ISO 6579-1:2017)<br><br>HRN EN ISO 6579-1:2017/A1:2020<br>(ISO 6579-1:2017/Amd 1:2020;<br>EN ISO 6579-1:2017/A1:2020) |

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|---------|--------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| 9.      | Hrana i hrana za životinje<br>Food and animal feeding stuffs | Mikrobiologija u lancu hrane-<br>Horizontalna metoda određivanja broja koagulaza-pozitivnih stafilocoka (Staphylococcus aureus i ostale vrste)- 2. dio: Postupak primjene agara s fibrinogenom i plazmom kunića<br>Microbiology of the food chain - 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<br>(ISO 6888-2:2021;<br>EN ISO 6888-2:2021)                                                                           |
| 10.     |                                                              | Određivanje broja kolonija Enterobacteriaceae<br>Enumeration of Enterobacteriaceae                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | HRN EN ISO 21528-2:2017<br>(ISO 21528-2:2017;<br>EN ISO 21528-2:2017)                                                                        |
| 11.     |                                                              | Mikrobiologija lanca hrane - 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<br>Microbiology of the food chain - Horizontal method for the enumeration of microorganisms – Part 1: Colony-count technique at 30 degrees C by the pour plate technique; Horizontal method for the enumeration of microorganisms – Part 2: Colony-count at 30 degrees C by surface plating technique | HRN EN ISO 4833-1:2013<br>(ISO 4833-1:2013;<br>EN ISO 4833-1:2013)<br><br>HRN EN ISO 4833-2:2013<br>(ISO 4833-2:2013;<br>EN ISO 4833-2:2013) |

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|---------|--------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|
| 12.     | Hrana i hrana za<br>životinje<br>Food and animal<br>feeding stuffs | Mikrobiologija hrane i stočne hrane – metoda brojenja beta-glucuronidasa pozitivne Escherichia coli – 2 dio: brojenje kolonija pri 44 °C uporabom 5-bromo-4-chloro-3-indolyl beta-D-glucuronide<br><i>Microbiology of food and animal feeding stuffs – Horizontal method for the enumeration of beta-glucuronidase – positive Escherichia coli – Part 2: Colony- count technique at 44 degrees C using 5-bromo-4-chloro-3-indolyl beta-D-glucuronide</i> | HRN ISO 16649-2:2001<br>(ISO 16649-2:2001)                                                   |
| 13.     |                                                                    | Dokazivanje prisutnosti Listeria monocytogenes i drugih Listeria spp.<br><i>Detection of Listeria monocytogenes and other Listeria spp.</i>                                                                                                                                                                                                                                                                                                              | HRN EN ISO 11290-1:2017<br>(ISO 11290-1:2017;<br>EN ISO 11290-1:2017)                        |
| 14.     |                                                                    | Brojenje kvasaca i plijesni iz uzoraka hrane i hrane za životinje<br><i>Enumeration of yeasts and molds from samples of food and feed samples</i>                                                                                                                                                                                                                                                                                                        | HRN ISO 21527-1:2012<br>(ISO 21527-1:2008)<br><br>HRN ISO 21527-2:2012<br>(ISO 21527-2:2008) |
| 15.     |                                                                    | Dokazivanje prisutnosti Cronobacter spp.<br><i>Detection of Cronobacter spp.</i>                                                                                                                                                                                                                                                                                                                                                                         | HRN EN ISO 22964:2017<br>(ISO 22964:2017;<br>EN ISO 22964:2017)                              |
| 16.     | Hrana<br>Food                                                      | Određivanje stafilokoknog enterotoksina VIDAS SET 2<br><i>Detection of Staphylococcal Enterotoksins VIDAS SET 2</i>                                                                                                                                                                                                                                                                                                                                      | AOAC<br>21st Edition, 2019<br>2007.06<br>Final Action 2010                                   |
| 17.     |                                                                    | Određivanje sirovih vlakana<br><i>Determination of crude fiber</i>                                                                                                                                                                                                                                                                                                                                                                                       | AOAC 20 <sup>th</sup> Edition, 2016<br>962.09                                                |

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|---------|--------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 18.     | Hrana<br>Food                              | Određivanje količine dušika metodom po Kjeldahlu<br><i>Determination of nitrogen content by Kjeldahl method</i>                                   | Vlastita metoda<br><i>In-house method</i><br><br>SOP-93-054<br>Izdanje/Edition 05<br>2021-11-05<br><br>Modificirana/<br><i>Modified</i><br>HRN ISO 1871:2017<br>(ISO 1871:2009)<br>HRN ISO 937:1999<br>(ISO 937:1978)               |
| 19.     |                                            | Određivanje ukupnog sadržaja masti<br><i>Determination of total fat content</i>                                                                   | Vlastita metoda<br><i>In-house method</i><br><br>SOP-95-054<br>Izdanje/Edition 03<br>2021-11-05                                                                                                                                     |
| 20.     |                                            | Određivanje sadržaja vode sušenjem pri temp. 100-130 °C / 2-4 h<br><i>Determination of moisture content by drying at temp. 100-130 °C / 2-4 h</i> | Vlastita metoda<br><i>In-house method</i><br><br>SOP-98-054<br>Izdanje/Edition 03<br>2018-09-10<br><br>Modificirana/<br><i>Modified</i><br>AOAC 20th Edition, 2016<br><br>HRN EN ISO 712:2010<br>(ISO 712:2009;<br>EN ISO 712:2009) |
| 21.     |                                            | Određivanje ukupnog pepela spaljivanjem<br><i>Determination of ash yield by incineration</i>                                                      | Vlastita metoda<br><i>In-house method</i><br><br>SOP-325-054<br>Izdanje/Edition 02<br>2021-11-05                                                                                                                                    |

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|---------|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 22.     | Mlijeko i mliječni proizvodi<br>Milk and milk fat products                         | Određivanje udjela cis-, trans-zasićenih, jednostruko i višestruko nezasićenih masnih kiselina plinskom kromatografijom<br>Determination of the content of cis-, trans-, saturated, mono- and polyunsaturated fatty acids by gas chromatography                                                        | HRN ISO 15884:2003<br>(ISO 15884:2002)<br><br>HRN ISO 15885:2003<br>(ISO 15885:2002)                                                                                                                                                                                                                        |
| 23.     | Hrana osim mlijeka i mliječnih proizvoda<br>Food except milk and milk fat products | Određivanje udjela cis-, trans-zasićenih, jednostruko i višestruko nezasićenih masnih kiselina (uključujući i eruka kiselinu) plinskom kromatografijom<br>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<br>(ISO 12966-1:2014;<br>EN ISO 12966-1:2014)<br><br>HRN EN ISO 12966-1:2015/Ispr.1:2015<br>(EN ISO 12966-1:2014/AC:2015)<br><br>HRN EN ISO 12966-2:2017<br>(ISO 12966-2:2017;<br>EN ISO 12966-2:2017)<br><br>HRN EN ISO 12966-4:2015<br>(ISO 12966-4:2015;<br>EN ISO 12966-4:2015) |
| 24.     | Meso i mesni proizvodi<br>Meat and meat products                                   | Određivanje fosfora spektrofotometrijskom metodom<br>Determination of by spectrophotometric method                                                                                                                                                                                                     | Vlastita metoda<br>In-house method<br><br>SOP-100-054<br>Izdanje/Edition 01<br>2013-11-15                                                                                                                                                                                                                   |
| 25.     | Mlijeko i tekući mliječni proizvodi<br>Milk and liquid milk products               | Određivanje udjela masti<br>Determination of fat content                                                                                                                                                                                                                                               | Vlastita metoda<br>In-house method<br><br>SOP-295-054<br>Izdanje/Edition 01<br>2017-06-10                                                                                                                                                                                                                   |



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|---------|-------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|
| 26.     | Jestiva ulja i masti<br>Edible oil and fat                                    | Određivanje kiselosti u uljima<br>(slobodnih masnih kiselina<br>izraženih kao oleinska<br>kiselina)<br>Determination of acid value<br>and acidity                                         | HRN EN ISO 660:2020<br>(ISO 660:2020;<br>EN ISO 660:2020)                                   |
| 27.     |                                                                               | Određivanje peroksidnog<br>broja<br>Determination of peroxide<br>value                                                                                                                    | HRN EN ISO 3960:2017<br>(ISO 3960:2017;<br>EN ISO 3960:2017)                                |
| 28.     | Životinjske i biljne<br>masti i ulja<br>Animal and vegetable<br>fats and oils | Određivanje apsorbancije u<br>ultraljubičastom spektru<br>izraženih kao specifična UV<br>ekstinkcija<br>Determination of ultraviolet<br>absorbance expressed as<br>specific UV extinction | HRN EN ISO<br>3656:2011/A1:2017<br>(ISO 3656:2011/Amd 1:2017;<br>EN ISO 3656:2011/A1:2017)  |
| 29.     | Med<br>Honey                                                                  | Određivanje aktivnosti<br>dijastaze<br>spektrofotometrijskom<br>metodom<br>Determination of diastase<br>activity by spectrophotometric<br>method                                          | Harmonized Methods of the<br>International Honey<br>Commission (2009)<br>Metoda/ Method 6.2 |
| 30.     |                                                                               | Određivanje relativnog<br>sadržaja peluda<br>Determination of relative<br>pollen content                                                                                                  | DIN 10760:2002-05                                                                           |
| 31.     |                                                                               | Određivanje električne<br>vodljivosti elektrokemijskom<br>metodom<br>Determination of electrical<br>conductivity by electrometric<br>method                                               | Harmonized Methods of the<br>International Honey<br>Commission (2009)<br>Metoda/Method 2    |
| 32.     |                                                                               | Određivanje količine vode<br>refraktometrijskom metodom<br>Determination of moisture<br>content by refractive index                                                                       | Harmonized Methods of the<br>International Honey<br>Commission (2009)<br>Metoda/Method 1    |

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|---------|------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|
| 33.     | Med<br>Honey                                   | Određivanje hidrosimetilfurfurala (HMF) metodom tekućinske kromatografije visoke djelotvornosti (HPLC)<br>Determination of hydroxymethylfurfural (HMF) by high performance liquid chromatography (HPLC) | Vlastita metoda<br>In-house method<br><br>SOP-12-053<br>Izdanje/Edition 02<br>2016-03-10  |
| 34.     |                                                | Određivanje ukupne kiselosti u medu titracijom do pH 8.3<br>Determination of free acidity by titration to pH 8.3                                                                                        | Harmonized Methods of the International Honey Commission (2009)<br>Metoda/Method 4        |
| 35.     | Jabučni sok<br>Apple juice                     | Određivanje patulina HPLC tehnikom/<br>Determination of patuline by high performance liquid chromatography (HPLC)                                                                                       | Vlastita metoda<br>In-house method<br><br>SOP-9-053<br>Izdanje/Edition 02<br>2016-02-15   |
| 36.     | Osvježavajuća bezalkoholna pića<br>Soft drinks | Određivanje fosforne kiseline spektrofotometrijskom metodom<br>Determination of phosphoric acid by spectrophotometric method                                                                            | Vlastita metoda<br>In-house method<br><br>SOP-101-054<br>Izdanje/Edition 06<br>2014-04-09 |
| 37.     |                                                | Određivanje kinina spektrofotometrijskom metodom<br>Determination of quinine by spectrophotometric method                                                                                               | Vlastita metoda<br>In-house method<br><br>SOP-102-054<br>Izdanje/Edition 06<br>2018-08-25 |
| 38.     | Alkoholna pića<br>Alcoholic drinks             | Određivanje sadržaja etanola plinskom kromatografijom<br>Determination of ethanol content by gas chromatography                                                                                         | Vlastita metoda<br>In-house method<br><br>SOP-24-053<br>Izdanje/Edition 02<br>2018-08-30  |

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|---------|-----------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|
| 39.     | Sušeno voće i vino<br>Dried fruit and wine                                  | Određivanje SO <sub>2</sub> u hrani<br>HPLC tehnikom<br>Determination of SO <sub>2</sub> in food<br>by HPLC                                                                                                                                  | Vlastita metoda<br>In-house method<br><br>SOP-236-053<br>Izdanje/Edition 02<br>2016-02-15 |
| 40.     | Orašasti plodovi<br>Nuts<br>(ground nuts and<br>tree nuts)                  | Određivanje skupnih<br>aflatoksina (B <sub>1</sub> ,B <sub>2</sub> ,G <sub>1</sub> ,G <sub>2</sub> )<br>ELISA tehnikom<br>Determination of total<br>aflatoxins (B <sub>1</sub> ,B <sub>2</sub> ,G <sub>1</sub> ,G <sub>2</sub> ) by<br>ELISA | Vlastita metoda<br>In-house method<br><br>SOP-107-054<br>Izdanje/Edition 03<br>2016-03-15 |
| 41.     | Riba i proizvodi od<br>riba<br>Fish and fish products                       | Određivanje histamina HPLC<br>tehnikom<br>Determination of histamine by<br>HPLC technique                                                                                                                                                    | Vlastita metoda<br>In-house method<br><br>SOP-88-053<br>Izdanje/Edition 05<br>2016-03-10  |
| 42.     | Hrana<br>Food                                                               | Određivanje akrilamida<br>UPLC-MS/MS tehnikom<br>Determination of acrylamid<br>by UPLC-MS/MS                                                                                                                                                 | Vlastita metoda<br>In-house method<br><br>SOP-281-053<br>Izdanje/Edition 04<br>2018-03-30 |
| 43.     | Hrana morskog i<br>biljnog podrijetla<br>Food of marine and<br>plant origin | Određivanje anorganskog<br>arsena primjenom anionskog<br>izmjenjivača<br>HPLC-ICP-MS<br>Determination of inorganic<br>arsenic by using anion<br>exchange HPLC-ICP-MS                                                                         | HRN EN 16802:2016<br>(EN 16802:2016)                                                      |

| Br. No. | Materijali/Proizvodi<br>Materials/Products | Vrsta ispitivanja/Svojstvo<br>Type of test/Property<br>Raspon/Range ili/or<br>Granica kvantifikacije/<br>Quantification limit                                                                                                                                         | Metoda ispitivanja<br>Test method                                                                          |
|---------|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|
| 44.     | Hrana<br>Food                              | <p>Određivanje ditiokarbamata izraženih kao CS<sub>2</sub> u hrani plinskom kromatografijom sa spektrometrijom masa (GC-MS)</p> <p><i>Determination of dithiocarbamates expressed like CS<sub>2</sub> in food by gas chromatography mass spectrometry (GC-MS)</i></p> | <p>Vlastita metoda<br/><i>In-house method</i></p> <p>SOP-353-053<br/>Izdanje/Edition 02<br/>2017-09-11</p> |
| 45.     |                                            | <p>Određivanje para red i sudana I-IV u hrani HPLC tehnikom</p> <p><i>Determination of para red and sudan dyes I-IV in food by HPLC</i></p>                                                                                                                           | <p>Vlastita metoda<br/><i>In-house method</i></p> <p>SOP-401-053<br/>Izdanje/Edition 01<br/>2020-01-27</p> |
| 46.     |                                            | <p>Određivanje antioksidansa u hrani HPLC tehnikom</p> <p><i>Determination of antioxidants in food by HPLC</i></p>                                                                                                                                                    | <p>Vlastita metoda<br/><i>In-house method</i></p> <p>SOP-379-053<br/>Izdanje/Edition 01<br/>2020-02-07</p> |

| Br. No.                | Materijali/Proizvodi<br>Materials/Products                                                                                                                                                                                                                                          | Vrsta ispitivanja/Svojstvo<br>Type of test/Property<br>Raspon/Range ili/or<br>Granica kvantifikacije/<br>Quantification limit | Metoda ispitivanja<br>Test method                                                                                 |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| <b>II Voda / Water</b> |                                                                                                                                                                                                                                                                                     |                                                                                                                               |                                                                                                                   |
| 47.                    | Voda za ljudsku potrošnju<br>Water for human consumption                                                                                                                                                                                                                            | Uzorkovanje<br>Sampling                                                                                                       | HRN ISO 5667-5:2011<br>(ISO 5667-5:2006)<br><br>HRN EN ISO 19458:2008<br>(ISO 19458:2006;<br>EN ISO 19458:2006)   |
| 48.                    | Podzemna voda<br>Ground water                                                                                                                                                                                                                                                       | Uzorkovanje<br>Sampling                                                                                                       | HRN ISO 5667-11:2011<br>(ISO 5667-11:2009)<br><br>HRN EN ISO 19458:2008<br>(ISO 19458:2006;<br>EN ISO 19458:2006) |
| 49.                    | Otpadna voda<br>Waste water                                                                                                                                                                                                                                                         | Uzorkovanje<br>Sampling                                                                                                       | HRN ISO 5667-10:2020<br>(ISO 5667-10:2020)<br><br>HRN EN ISO 19458:2008<br>(ISO 19458:2006;<br>EN ISO 19458:2006) |
| 50.                    | Bazenska voda<br>Pool water                                                                                                                                                                                                                                                         | Uzorkovanje<br>Sampling                                                                                                       | HRN EN ISO 19458:2008<br>(ISO 19458:2006;<br>EN ISO 19458:2006)<br>Točka/ Item 4.4.3.                             |
| 51.                    | Voda za ljudsku potrošnju, prirodna mineralna, prirodna izvorska, stolna voda, bazenska voda, površinska, podzemna i otpadna voda<br>Water for human consumption, natural mineral water, natural spring water, table water, pool water, surface water, ground water and waste water | Određivanje pH vrijednosti<br>Determination of pH<br><br>2 - 12                                                               | HRN EN ISO 10523:2012<br>(ISO 10523:2008;<br>EN ISO 10523:2012)                                                   |
| 52.                    |                                                                                                                                                                                                                                                                                     | Određivanje temperature – termometrija<br>Determination of temperature - thermometric method<br><br>(1,0 – 80,0) °C           | DIN 38404-4:1976                                                                                                  |

| <b>Br. No.</b> | <b>Materijali/Proizvodi</b><br><i>Materials/Products</i>                                                                                                                                                                                                                                                                                                | <b>Vrsta ispitivanja/Svojstvo</b><br><i>Type of test/Property</i><br><b>Raspon/Range ili/or</b><br><b>Granica kvantifikacije/</b><br><i>Quantification limit</i>                                                                                                                                                                               | <b>Metoda ispitivanja</b><br><i>Test method</i>                        |
|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|
| 53.            | Voda za ljudsku potrošnju, prirodna mineralna, prirodna izvorska, stolna, površinska, podzemna, bazenska voda i voda za kupanje, otpadna i tehnološka voda<br><i>Water for human consumption, natural mineral water, natural spring water, table water, surface water, ground water, pool water, bathing water, waste water and technological water</i> | Određivanje ukupnog i slobodnog klora kolorimetrijska metoda s N,N-dietil-1,4-fenilendiaminom u svrhu rutinske kontrole<br><i>Determination of total and free chlorine - colorimetric method using N,N-diethyl-1,4-phenylendiamine for routine control purposes</i><br><br>Granica kvantifikacije/<br><i>Quantification limit</i><br>0,02 mg/L | HRN EN ISO 7393-2:2018<br><i>(ISO 7393-2:2017; EN ISO 7393-2:2018)</i> |

| <b>Br. No.</b> | <b>Materijali/Proizvodi</b><br><i>Materials/Products</i>                                                                                                                          | <b>Vrsta ispitivanja/Svojstvo</b><br><i>Type of test/Property</i><br><b>Raspon/Range ili/or</b><br><b>Granica kvantifikacije/</b><br><i>Quantification limit</i>                                                                                                                                                                                                                                                                                                                                                                                                  | <b>Metoda ispitivanja</b><br><i>Test method</i>                                                                   |
|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| 54.            | Voda za ljudsku potrošnju, prirodna mineralna, prirodna izvorska i stolna voda<br><i>Water for human consumption, natural mineral water, natural spring water and table water</i> | <p>Određivanje policikličkih aromatskih ugljikovodika u vodi HPLC tehnikom</p> <p>Granica kvantifikacije fluoranten</p> <p>0,005 µg/L</p> <p>benzo(b)fluoranten, benzo (k) fluoranten, benzo(a)piren, benzo(g,h,i)perilen, indeno(1,2,3-c,d)piren</p> <p>0,0025 µg/L</p> <p>Determination of polycyclic aromatic hydrocarbons by HPLC technique</p> <p>Quantification limit<br/>0,005 µg/L for fluoranthene,<br/>0,0025 µg/L for<br/>benzo(b)fluoranthene,<br/>benzo(k)fluoranthene,<br/>benzo(a)pyrene<br/>benzo(g h i)perylene,<br/>indeno(1,2,3-c,d)pyrene</p> | <p>Vlastita metoda<br/><i>In-house method</i></p> <p>SOP-144-053<br/>Izdanje/<i>Edition</i> 03<br/>2018-08-31</p> |

| Br. No. | Materijali/Proizvodi<br>Materials/Products                                                                                                                                                                                                               | Vrsta ispitivanja/Svojstvo<br>Type of test/Property<br>Raspon/Range ili/or<br>Granica kvantifikacije/<br>Quantification limit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Metoda ispitivanja<br>Test method          |
|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|
| 55.     | Voda za ljudsku potrošnju, prirodna mineralna, prirodna izvorska, stolna voda, površinska, podzemna i otpadna voda<br>Water for human consumption, natural mineral water, natural spring water, table water, surface water, ground water and waste water | <p>Određivanje benzena i njegovih derivata (toluen, m-, o-, p-ksilen i etilbenzen) ekstrakcijom i plinskom kromatografijom<br/>Determination of benzene and some derivatives (toluene, m-, o-, p-xylene and ethylbenzene) by extraction and gas chromatography</p> <p>Granica kvantifikacije<br/>0,50 µg/L<br/>za svaki analit iz skupine BTEX-a za vodu za ljudsku potrošnju, prirodnu mineralnu, prirodnu izvorsku, stolnu vodu, površinsku i podzemnu vodu</p> <p>Quantification limit<br/>0,50 µg/L<br/>for each BTEX analyte individually, for water for human consumption, natural mineral water, natural spring water, table water, surface water and ground water</p> <p>Granica kvantifikacije<br/>0,005 mg/L<br/>za otpadnu vodu</p> <p>Quantification limit<br/>0,005 mg/L<br/>for waste water</p> | HRN ISO 11423-2:2002<br>(ISO 11423-2:1997) |



| Br. No. | Materijali/Proizvodi<br>Materials/Products                                                                                                                                                                                                                    | Vrsta ispitivanja/Svojstvo<br>Type of test/Property<br>Raspon/Range ili/or<br>Granica kvantifikacije/<br>Quantification limit                                                                                                                                                                                                      | Metoda ispitivanja<br>Test method                                                        |
|---------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| 56.     | Voda za ljudsku potrošnju, prirodna mineralna, prirodna izvorska, stolna voda, površinska voda i podzemna voda<br>Water for human consumption, natural mineral water, natural spring water, table water, surface water and ground water                       | Određivanje ugljikovodika C <sub>10</sub> – C <sub>40</sub> u vodi primjenom plinske kromatografije i spektrometrije masa<br>(GCMS)<br>Determination of hydrocarbons C <sub>10</sub> – C <sub>40</sub> in water by gas chromatography mass spectrometry (GC-MS)<br><br>Granica kvantifikacije/<br>Quantification limit<br>2,0 µg/L | Vlastita metoda<br>In-house method<br><br>SOP-17-053<br>Izdanje/Edition 05<br>2020-12-15 |
| 57.     | Voda za ljudsku potrošnju, prirodna mineralna, prirodna izvorska, stolna voda, površinska, podzemna i otpadna voda<br>Water for human consumption, natural mineral water, natural spring water, table water, surface water, ground water and waste water      | Određivanje koncentracije željeza atomskom apsorpcijskom spektrometrijom (plamena tehnika)<br>Determination of iron by atomic absorption spectrometry (flame technique)<br><br>Granica kvantifikacije/<br>Quantification limit<br>100 µg/L <sup>-1</sup>                                                                           | DIN 38406 Dio/Teil 32:2000                                                               |
| 58.     | Voda za ljudsku potrošnju, prirodna mineralna, prirodna izvorska, stolna voda, površinska, podzemna voda i otpadna voda<br>Water for human consumption, natural mineral water, natural spring water, table water, surface water, ground water and waste water | Određivanje koncentracije mangana atomskom apsorpcijskom spektrometrijom (plamena tehnika)<br>Determination of manganese by atomic absorption spectrometry (graphite and flame technique)<br><br>Granica kvantifikacije/<br>Quantification limit<br>20 µg/L                                                                        | DIN 38406 Dio/Teil 33:2000                                                               |

| <b>Br. No.</b> | <b>Materijali/Proizvodi</b><br><i>Materials/Products</i>                                                                                                                                                                                                                                              | <b>Vrsta ispitivanja/Svojstvo</b><br><i>Type of test/Property</i><br><b>Raspon/Range ili/or</b><br><b>Granica kvantifikacije/</b><br><i>Quantification limit</i>                                                                                  | <b>Metoda ispitivanja</b><br><i>Test method</i>                                                  |
|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|
| 59.            | Otpadna voda<br><i>Waste water</i>                                                                                                                                                                                                                                                                    | Određivanje kemijske potrošnje kisika (KPK)<br><i>Determination of the Chemical Oxygen Demand (COD)</i><br>(Kivetni testovi Hach Lange LCK 314 i 514/<br><i>Cuvette tests Hach Lange LCK 314 and 514</i> )<br><br>(15 – 2000) mg/L O <sub>2</sub> | Vlastita metoda<br><i>In-house method</i><br><br>SOP-11-051<br>Izdanje/Edition 02<br>2018-10-01  |
| 60.            | Voda za ljudsku potrošnju, prirodna mineralna, prirodna izvorska, stolna voda, bazenska voda, površinska, podzemna i tehnološka voda<br><i>Water for human consumption, natural mineral water, natural spring water, table water, pool water, surface water, ground water and technological water</i> | Određivanje boje<br><i>Determination of colour</i><br><br>Granica kvantifikacije/<br><i>Quantification limit</i><br><br>5 mg/L Pt/Co                                                                                                              | Standard Methods for the Examination of Water and Wastewater,<br>2120C<br>23. izdanje/23.Edition |
| 61.            | Voda za ljudsku potrošnju, prirodna mineralna, prirodna izvorska, stolna voda, sirova voda, bazenska voda, površinska i podzemna voda<br><i>Water for human consumption, natural mineral water, natural spring water, table water, raw water, pool water, surface water and ground water</i>          | Određivanje permanganatnog indeksa<br><i>Determination of permanganate indeks</i><br><br>Granica kvantifikacije/<br><i>Quantification limit</i><br>0,50 mg/L O <sub>2</sub>                                                                       | HRN EN ISO 8467:2001<br>(ISO 8467:1993;<br>EN ISO 8467:1995)                                     |

| Br. No. | Materijali/Proizvodi<br>Materials/Products                                                                                                                                                                                                                                                      | Vrsta ispitivanja/Svojstvo<br>Type of test/Property<br>Raspon/Range ili/or<br>Granica kvantifikacije/<br>Quantification limit                                                                                                                          | Metoda ispitivanja<br>Test method                                                                                                                                                  |
|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 62.     | Voda za ljudsku potrošnju, prirodna mineralna, prirodna izvorska, stolna voda, bazenska voda, površinska i podzemna voda<br><i>Water for human consumption, natural mineral water, natural spring water, table water, pool water, surface water and ground water</i>                            | Određivanje mutnoće<br><i>Determination of Turbidity</i><br><br>Granica kvantifikacije/<br><i>Quantification limit</i><br>0,10 NTU                                                                                                                     | HRN EN ISO 7027-1:2016<br><i>(ISO 7027-1:2016;<br/>EN ISO 7027-1:2016)</i>                                                                                                         |
| 63.     | Voda za ljudsku potrošnju, prirodna mineralna, prirodna izvorska, stolna voda, bazenska voda, površinska i podzemna voda<br><i>Water for human consumption, natural mineral water, natural spring water, table water, pool water, surface water and ground water</i>                            | Određivanje sume kalcija i magnezija – volumetrijska metoda s EDTA<br><i>Determination of the sum of calcium and magnesium - EDTA titrimetric method</i><br><br>Granica kvantifikacije/<br><i>Quantification limit</i><br>50 mg/L CaCO <sub>3</sub>    | HRN ISO 6059:1998<br><i>(ISO 6059:1984)</i>                                                                                                                                        |
| 64.     | Voda za ljudsku potrošnju, prirodna mineralna, prirodna izvorska, stolna voda, bazenska voda, površinska, podzemna voda i otpadna voda<br><i>Water for human consumption, natural mineral water, natural spring water, table water, pool water, surface water, ground water and waste water</i> | Određivanje anionskih tenzida mjerenjem indeksa metilenskog modrila (MMAT)<br><i>Determination of anionic surfactants by measurement of the methylene blue index (MBAS)</i><br><br>Granica kvantifikacije/<br><i>Quantification limit</i><br>0,01 mg/L | Vlastita metoda<br><i>In-house method</i><br><br>SOP-64-051<br>Izdanje/Edition 08<br>2018-10-15<br><br>Modificirana/<br><i>Modified</i><br>HRN EN 903:2002<br><i>(EN 903:1993)</i> |

| Br. No. | Materijali/Proizvodi<br>Materials/Products                                                                                                                                                                                                                    | Vrsta ispitivanja/Svojstvo<br>Type of test/Property<br>Raspon/Range ili/or<br>Granica kvantifikacije/<br>Quantification limit                                                                                               | Metoda ispitivanja<br>Test method                      |
|---------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|
| 65.     | Voda za ljudsku potrošnju, prirodna mineralna, prirodna izvorska, stolna voda, bazenska voda, površinska i podzemna voda<br>Water for human consumption, natural mineral water, natural spring water, table water, pool water, surface water and ground water | Određivanje električne vodljivosti<br>Determination of electrical conductivity<br><br>(10,0 – 10 000) $\mu\text{S/cm}$                                                                                                      | HRN EN 27888:2008<br>(ISO 7888:1985;<br>EN 27888:2003) |
| 66.     | Površinska, podzemna i otpadna voda<br>Surface water, ground water and waste water                                                                                                                                                                            | Određivanje dušika po Kjeldahlu nakon mineralizacije sa selenom<br>Determination of nitrogen by the Kjeldahl method after mineralization with selenium<br><br>Granica kvantifikacije/<br>Quantification limit<br>1,0 mg/L N | HRN EN 25663:2008<br>(ISO 5663:1984;<br>EN 25663:1993) |
| 67.     | Otpadna voda<br>Waste water                                                                                                                                                                                                                                   | Određivanje ukupne suspendirane tvari s membranskim filterom<br>Determination of filterable suspended matter using a membrane filter<br><br>Granica kvantifikacije/<br>Quantification limit<br>2 mg/L                       | DIN 38409,<br>T2-H2-21987<br>Točka/Clause 5.2          |

| Br. No. | Materijali/Proizvodi<br>Materials/Products                                                                                                                                                                                                                                                           | Vrsta ispitivanja/Svojstvo<br>Type of test/Property<br>Raspon/Range ili/or<br>Granica kvantifikacije/<br>Quantification limit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Metoda ispitivanja<br>Test method            |
|---------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|
| 68.     | Voda za ljudsku potrošnju, prirodna mineralna, prirodna izvorska, stolna voda, voda za kupanje, otpadna voda, površinska i podzemna voda<br><i>Water for human consumption, natural mineral water, natural spring water, table water, bathing water, waste water, surface water and ground water</i> | <p>Određivane lakohlapljivih kloriranih ugljikovodika (tetraklorugljik, 1,2-dikloreten, 1,1,1-trikloreten, 1,1,2-trikloreten, 1,1,2,2-tetrakloreten, 1,1-dikloreten, trikloreten, tetrakloreten) i trihalometana (kloroform, bromdiklormetan, dibromklormetan, bromoform)</p> <p>primjenom plinske kromatografije<br/><i>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</i></p> <p>Granica kvantifikacije<br/>0,5 µg/L<br/>za sve analite osim 1,2-dikloretena (1,0 µg/L)<br/>za vodu za ljudsku potrošnju, prirodnu mineralnu, prirodnu izvorsku, stolnu vodu, vodu za kupanje, površinsku i podzemnu vodu</p> <p>Quantification limit<br/>0,5 µg/L<br/>for all analyte except 1,2- dichloroethane (1,0 µg/L)<br/>for water for human consumption, natural mineral water, natural spring water, table water, bathing water, surface water and ground water</p> <p>Granica kvantifikacije<br/>0,00050 mg/L<br/>za sve analite osim 1,2-dikloretena (0,0010 mg/L)<br/>za otpadnu vodu</p> <p>Quantification limit<br/>0,00050 mg/L<br/>for all analyte except 1,2- dichloroethane (0,0010 mg/L)<br/>for waste water</p> | HRN EN ISO 10301:2002<br>(EN ISO 10301:1997) |

| <b>Br. No.</b> | <b>Materijali/Proizvodi</b><br><i>Materials/Products</i>                                                                                                                                                                                  | <b>Vrsta ispitivanja/Svojstvo</b><br><i>Type of test/Property</i><br><b>Raspon/Range ili/or</b><br><b>Granica kvantifikacije/</b><br><i>Quantification limit</i>                                                   | <b>Metoda ispitivanja</b><br><i>Test method</i>            |
|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|
| 69.            | Voda za ljudsku potrošnju, prirodna mineralna, prirodna izvorska, stolna voda, sirova i otpadna voda<br><i>Water for human consumption, natural mineral water, natural spring water, table water, raw water and waste water</i>           | Određivanje nitrita - molekularna apsorpcijska metoda<br><i>Determination of nitrite - Molecular absorption spectrometric method</i><br><br>Granica kvantifikacije/<br><i>Quantification limit</i><br>0,008 mg/L N | HRN EN 26777:1998<br><i>(ISO 6777:1984; EN 26777:1993)</i> |
| 70.            | Voda za ljudsku potrošnju, prirodna mineralna, prirodna izvorska, stolna voda, površinska i podzemna voda<br><i>Water for human consumption, natural mineral water, natural spring water, table water, surface water and ground water</i> | Određivanje silikata<br><i>Determination of silicates</i><br><br>Granica kvantifikacije/<br><i>Quantification limit</i><br>0,5 mg/L                                                                                | ASTM D 859-16(2021)e1                                      |
| 71.            | Otpadna voda<br><i>Waste water</i>                                                                                                                                                                                                        | Određivanje volumnog udjela taložive tvari<br><i>Determination of the settleable matter by volume</i><br><br>Granica kvantifikacije/<br><i>Quantification limit</i><br>0,1 mL/L                                    | DIN 38409, H9-2:1980                                       |

| Br. No. | Materijali/Proizvodi<br>Materials/Products                                                                                                                                                                                                               | Vrsta ispitivanja/Svojstvo<br>Type of test/Property<br>Raspon/Range ili/or<br>Granica kvantifikacije/<br>Quantification limit                                                                                                                                                     | Metoda ispitivanja<br>Test method                                                                                                                                                                                                                             |
|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 72.     | Voda za ljudsku potrošnju, površinska, podzemna voda<br>Water for human consumption, surface water and ground water                                                                                                                                      | Određivanje ukupnog dušika računski<br>Determination of total nitrogen by calculation<br><br>Granica kvantifikacije/<br>Quantification limit<br>1,0 mg/L N                                                                                                                        | Vlastita metoda<br>In-house method<br><br>SOP-230-051<br>Izdanje/Edition 03<br>2018-10-01<br><br>modificirana/<br>modified<br>HRN EN 25663:2008<br>(ISO 5663:1984;<br>EN 25663:1993)<br>HRN EN ISO 10304-1:2009<br>(ISO 10304-1:2007,<br>EN ISO 10304-1:2009) |
| 73.     | Voda za ljudsku potrošnju, prirodna mineralna, prirodna izvorska, stolna voda, površinska, podzemna i otpadna voda<br>Water for human consumption, natural mineral water, natural spring water, table water, surface water, ground water and waste water | Određivanje fenolnog indeksa – spektrometrijska metoda s 4-aminoantipirinom nakon destilacije<br>Determination of phenol index: 4-aminoantipyrine (4-aminophenazone) spectrometric method after distillation<br><br>Granica kvantifikacije/<br>Quantification limit<br>0,002 mg/L | HRN ISO 6439:1998<br>(ISO 6439:1990)                                                                                                                                                                                                                          |

| Br. No. | Materijali/Proizvodi<br>Materials/Products                                                                                                                                                                                                                      | Vrsta ispitivanja/Svojstvo<br>Type of test/Property<br>Raspon/Range ili/or<br>Granica kvantifikacije/<br>Quantification limit                                                                                                                    | Metoda ispitivanja<br>Test method                                                                |
|---------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|
| 74.     | Voda za ljudsku potrošnju, prirodna mineralna, prirodna izvorska, stolna voda, površinska, podzemna i otpadna voda<br><i>Water for human consumption, natural mineral water, natural spring water, table water, surface water, ground water and waste water</i> | Određivanje kroma (VI) – spektrometrijska metoda s 1,5 – difenilkarbazidom<br><i>Determination of chromium (VI). Spectrometric method using 1,5-diphenylcarbazide</i><br><br>Granica kvantifikacije/<br><i>Quantification limit</i><br>0,05 mg/L | HRN ISO 11083:1998<br><i>(ISO 11083:1994)</i>                                                    |
| 75.     |                                                                                                                                                                                                                                                                 | Određivanje ortofosfata spektrometrijska metoda s amonijevim molibdatom<br><i>Determination of phosphorus – Ammonium molybdate spectrometric method</i><br>Granice kvantifikacije:<br><i>Limit of quantification:</i><br>0,003 mg/L P            | HRN EN ISO 6878:2008<br><i>(ISO 6878:2004; EN ISO 6878:2004)</i><br>Točka /Clause 4.             |
| 76.     |                                                                                                                                                                                                                                                                 | Određivanje ukupnog fosfora spektrometrijski<br><i>Determination of total phosphorus spectrometrically</i><br>Granice kvantifikacije:<br><i>Limit of quantification:</i><br>0,003 mg/L P                                                         | Vlastita metoda<br><i>In house method</i><br><br>SOP-203-051<br>Izdanje/Edition 01<br>2020-02-17 |



| <b>Br. No.</b> | <b>Materijali/Proizvodi</b><br><i>Materials/Products</i>                                                                                                                                                                                                                                   | <b>Vrsta ispitivanja/Svojstvo</b><br><i>Type of test/Property</i><br><b>Raspon/Range ili/or</b><br><b>Granica kvantifikacije/</b><br><i>Quantification limit</i>                                                                                                                                                                     | <b>Metoda ispitivanja</b><br><i>Test method</i>                                              |
|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|
| 77.            | Voda za ljudsku potrošnju, prirodna mineralna, prirodna izvorska, stolna voda, bazenska voda, površinska, podzemna i otpadna voda<br><i>Water for human consumption, natural mineral water, natural spring water, table water, pool water, surface water, ground water and waste water</i> | Određivanje suspendiranih tvari – Metoda filtriranjem kroz filter od staklenih vlakana<br><i>Determination of suspended solids – Method by filtration through glass fibre filters</i><br><br>Granice kvantifikacije:<br><i>Limit of quantification:</i><br>2 mg/L                                                                    | HRN EN 872:2008<br>(EN 872:2005)                                                             |
| 78.            | Voda za ljudsku potrošnju, bazenska voda, površinska voda i podzemna voda<br><i>Water for human consumption, pool water, surface water and ground water</i>                                                                                                                                | Određivanje redoks potencijala u vodi<br><i>Determination of reduction potential in water</i><br><br>±1200 mV                                                                                                                                                                                                                        | Standard Methods for the Examination of Water and Wastewater, 2580B<br>23.izdanje/23.Edition |
| 79.            | Voda za ljudsku potrošnju, prirodne mineralne, prirodne izvorske, stolne vode i podzemna voda<br><i>Water for human consumption, natural mineral water, natural spring water, table water and ground water</i>                                                                             | Određivanje otopljenih klorita i klorata – metoda ionske tekućinske kromatografije<br><i>Determination of dissolved chlorate and chlorite – Method by liquid chromatography of ions</i><br><br>Granice kvantifikacije<br><i>Limit of quantification:</i><br>Klorit 0,010 mg/L $\text{ClO}_2^-$<br>Klorat 0,030 mg/L $\text{ClO}_3^-$ | HRN EN ISO 10304-4:2022<br>(ISO 10304-4:2022;<br>EN ISO 10304-4:2022)                        |

| <b>Br. No.</b> | <b>Materijali/Proizvodi</b><br><i>Materials/Products</i>                                                                                                                                                                                       | <b>Vrsta ispitivanja/Svojstvo</b><br><i>Type of test/Property</i><br><b>Raspon/Range ili/or</b><br><b>Granica kvantifikacije/</b><br><i>Quantification limit</i>                                                                                                                     | <b>Metoda ispitivanja</b><br><i>Test method</i>                     |
|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|
| 80.            | Voda za ljudsku potrošnju, prirodne mineralne, prirodne izvorske, stolne vode, površinska voda i podzemna voda<br><i>Water for human consumption, natural mineral water, natural spring water, table water, surface water and ground water</i> | <p>Određivanje otopljenog bromata – metoda ionske tekućinske kromatografije<br/><i>Determination of dissolved bromate – Method by liquid chromatography of ions</i></p> <p>Granice kvantifikacije<br/><i>Limit of quantification:</i><br/><math>2,0 \mu\text{g/L BrO}_3^-</math></p> | HRN EN ISO 15061:2001<br><i>(ISO 15061:2001; EN ISO 15061:2001)</i> |

| Br. No. | Materijali/Proizvodi<br>Materials/Products                                                                                                           | Vrsta ispitivanja/Svojstvo<br>Type of test/Property<br>Raspon/Range ili/or<br>Granica kvantifikacije/<br>Quantification limit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Metoda ispitivanja<br>Test method                                                                   |
|---------|------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|
| 81.     | Voda za ljudsku potrošnju, podzemna voda, površinska voda i otpadna voda<br>Water for human consumption, ground water, surface water and waste water | <p>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)</p> <p>Voda za ljudsku potrošnju, podzemna voda, površinska voda/ Water for human consumption ground water surface water</p> <p>Granica kvantifikacija/<br/>Quantification limit<br/>0,005 µg/L za svaki kongener<br/>/for each congener</p> <p>Otpadna voda/waste water</p> <p>Granica kvantifikacije/<br/>Quantification limit<br/>0,0001 mg /L za svaki kongener<br/>/for each congener</p> | <p>Vlastita metoda<br/>In house method</p> <p>SOP-178-053<br/>Izdanje/Edition 04<br/>2017-08-31</p> |

| <b>Br. No.</b> | <b>Materijali/Proizvodi</b><br><i>Materials/Products</i>                                                                                                                                                                                                                                                                                                               | <b>Vrsta ispitivanja/Svojstvo</b><br><i>Type of test/Property</i><br><b>Raspon/Range ili/or</b><br><b>Granica kvantifikacije/</b><br><i>Quantification limit</i>                                                       | <b>Metoda ispitivanja</b><br><i>Test method</i>                                                                                                                                |
|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 82.            | Voda za ljudsku potrošnju, prirodna mineralna, prirodna izvorska, stolna voda, voda za kupanje, otpadna voda, površinska, podzemna, tehnološka voda, morska voda i led<br><i>Water for human consumption, natural mineral water, natural spring water, table water bathing water, waste water, surface water, ground water, technological water, sea water and ice</i> | Detekcija i brojenje crijevnih enterokoka - 2.dio: Metoda membranske filtracije<br><i>Detection and enumeration of intestinal enterococci - Part 2: Membrane filtration</i>                                            | HRN EN ISO 7899-2:2000<br><i>(ISO 7899-2:2000; EN ISO 7899-2:2000)</i>                                                                                                         |
| 83.            | Površinska i otpadna voda<br><i>Surface water and waste water</i>                                                                                                                                                                                                                                                                                                      | Detekcija i brojenje crijevnih enterokoka metodom najvjerojatnijeg broja mikrotitarskim pločama<br><i>The most probable number method for detection and enumeration of intestinal enterococci by microtitre plates</i> | HRN EN ISO 7899-1:2000<br><i>(ISO 7899-1:1998, EN ISO 7899-1:1998)</i><br><br>HRN EN ISO 7899-1/Ispr.1:2000<br><i>(ISO 7899-1:1998/Cor 1:2000, EN ISO 7899-1:1998/AC:2000)</i> |

| <b>Br. No.</b> | <b>Materijali/Proizvodi</b><br><i>Materials/Products</i>                                                                                                                                                                                                                                                                                        | <b>Vrsta ispitivanja/Svojstvo</b><br><i>Type of test/Property</i><br><b>Raspon/Range ili/or</b><br><b>Granica kvantifikacije/</b><br><i>Quantification limit</i>                                                                                                                  | <b>Metoda ispitivanja</b><br><i>Test method</i>                                                              |
|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|
| 84.            | Voda za ljudsku potrošnju, prirodna mineralna, prirodna izvorska, stolna voda, voda za kupanje, bazenska voda, površinska, podzemna, tehnološka voda i led<br><i>Water for human consumption, natural mineral water, natural spring water, table water, bathing water, pool water, surface water, ground water, technological water and ice</i> | Brojenje kolonija mikroorganizama sposobnih za stvaranje kolonija naciepljivanjem na hranjivi agar<br><i>Enumeration of culturable micro-organisms by inoculation in a nutrient agar culture medium</i>                                                                           | HRN EN ISO 6222:2000<br>(ISO 6222:1999;<br>EN ISO 6222:1999)                                                 |
| 85.            | Voda za ljudsku potrošnju, prirodna mineralna, prirodna izvorska, stolna voda i bazenska voda<br><i>Water for human consumption, natural mineral water, natural spring water, table water and pool water</i>                                                                                                                                    | Brojenje <i>Escherichia coli</i> i koliformnih bakterija metodom membranske filtracije za vode s niskom pozadinom bakterijske flore<br><i>Membrane filtration method for enumeration of Escherichia coli and coliform bacteria for waters with low bacterial background flora</i> | HRN EN ISO 9308-1:2014/<br>A1:2017<br>(ISO 9308-1:2014/<br>Amd 1:2016;<br>EN ISO 9308-1:2014/<br>Amd 1:2017) |
| 86.            | Voda za ljudsku potrošnju, prirodna mineralna, prirodna izvorska, stolna, voda za kupanje, otpadna voda, površinska, podzemna voda, tehnološka voda i led<br><i>Water for human consumption, natural mineral water, natural spring water, table water, bathing water, waste water, surface water, ground water, technological water and ice</i> | Brojenje <i>Clostridium perfringens</i> u vodi metodom membranske filtracije<br><i>Membrane filtration method for enumeration of Clostridium perfringens in water</i>                                                                                                             | HRN EN ISO 14189:2016<br>(ISO 14189:2013;<br>EN ISO 14189:2016)                                              |

| <b>Br. No.</b> | <b>Materijali/Proizvodi</b><br><i>Materials/Products</i>                                                                                                                                                                                                                                                                                                                     | <b>Vrsta ispitivanja/Svojstvo</b><br><i>Type of test/Property</i><br><b>Raspon/Range ili/or</b><br><b>Granica kvantifikacije/</b><br><i>Quantification limit</i> | <b>Metoda ispitivanja</b><br><i>Test method</i>              |
|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|
| 87.            | Voda za ljudsku potrošnju, prirodna mineralna, prirodna izvorska, stolna, voda za kupanje, otpadna voda, površinska, podzemna voda, tehnološka voda i led<br><i>Water for human consumption, natural mineral water, natural spring water, table water, bathing water, waste water, surface water, ground water, technological water and ice</i>                              | Detekcija <i>Salmonella</i><br><i>Detection of Salmonella</i>                                                                                                    | HRN EN ISO 19250:2013<br>(ISO 19250:2010, EN ISO 19250:2013) |
| 88.            | Voda za ljudsku potrošnju, prirodna mineralna, prirodna izvorska, stolna voda, voda za kupanje, otpadna voda, površinska, podzemna voda, tehnološka voda, morska voda i led<br><i>Water for human consumption, natural mineral water, natural spring water, table water, bathing water, waste water, surface water, ground water, technological water, sea water and ice</i> | Detekcija i brojenje spora sulfito-reducirajućih klostridija<br><i>Detection and enumeration of the spores of sulfite-reducing clostridia</i>                    | HRN EN 26461-2:2008<br>(ISO 6461-2:1986, EN 26461-2:1993)    |

| <b>Br. No.</b> | <b>Materijali/Proizvodi</b><br><i>Materials/Products</i>                                                                                                                                                                                                                                                        | <b>Vrsta ispitivanja/Svojstvo</b><br><i>Type of test/Property</i><br><b>Raspon/Range ili/or</b><br><b>Granica kvantifikacije/</b><br><i>Quantification limit</i>                | <b>Metoda ispitivanja</b><br><i>Test method</i>                 |
|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|
| 89.            | Voda za ljudsku potrošnju, prirodna mineralna, prirodna izvorska, stolna voda, podzemna, tehnološka voda, površinska, bazenska voda i led<br><i>Water for human consumption, natural mineral water, natural spring water, table water, ground water, technological water, surface water, pool water and ice</i> | Detekcija i brojenje<br><i>Pseudomonas aeruginosa</i> - metoda membranske filtracije<br><i>Detection and enumeration of Pseudomonas aeruginosa</i> - Membrane filtration method | HRN EN ISO 16266:2008<br>(ISO 16266:2006;<br>EN ISO 16266:2008) |
| 90.            | Voda za ljudsku potrošnju, prirodna mineralna, prirodna izvorska, stolna, tehnološka, površinska, podzemna, bazenska i otpadna voda<br><i>Water for human consumption, natural mineral water, natural spring water, table water, technological water, surface water, pool and waste water</i>                   | Brojenje <i>Legionella</i><br><i>Enumeration of Legionella</i>                                                                                                                  | HRN EN ISO 11731:2017<br>(ISO 11731:2017;<br>EN ISO 11731:2017) |

| Br. No. | Materijali/Proizvodi<br>Materials/Products                                                                                                                                                                                                                                                                                                                                          | Vrsta ispitivanja/Svojstvo<br>Type of test/Property<br>Raspon/Range ili/or<br>Granica kvantifikacije/<br>Quantification limit                                                                                      | Metoda ispitivanja<br>Test method                                                                                                                                 |
|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 91.     | Voda za ljudsku potrošnju, prirodna mineralna, prirodna izvorska, stolna, površinska, podzemna, tehnološka, otpadna, bazenska voda, voda za kupanje, morska voda i led<br><i>Water for human consumption, natural mineral water, natural spring water, table water, surface water, ground water, technological water, waste water, pool water, bathing water, sea water and ice</i> | Brojenje <i>Escherichia coli</i> i koliformnih bakterija metodom najvjerojatnijeg broja<br><i>The most probable number method for enumeration of Escherichia coli and coliform bacteria</i>                        | HRN EN ISO 9308-2:2014<br>(ISO 9308-2:2012;<br>EN ISO 9308-2:2014)                                                                                                |
| 92.     | Površinska i otpadna voda<br><i>Surface water and waste water</i>                                                                                                                                                                                                                                                                                                                   | Detekcija i brojenje <i>Escherichia coli</i> metodom najvjerojatnijeg broja mikrotitarskim pločama<br><i>The most probable number method for detection and numeration of Escherichia coli by microtitre plates</i> | HRN EN ISO 9308-3:2000<br>(ISO 9308-3:1998;<br>EN ISO 9308-3:1998)<br>HRN EN ISO 9308-3/Ispr.1:2000<br>(ISO 9308-3:1998/Cor1:2000;<br>EN ISO 9308-3:1998/AC:2000) |



| <b>Br. No.</b> | <b>Materijali/Proizvodi</b><br><i>Materials/Products</i>                                                                                                                                                                                    | <b>Vrsta ispitivanja/Svojstvo</b><br><i>Type of test/Property</i><br><b>Raspon/Range ili/or</b><br><b>Granica kvantifikacije/</b><br><i>Quantification limit</i> | <b>Metoda ispitivanja</b><br><i>Test method</i>                                                                                                                                                                                                                                                                                            |
|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 93.            | Voda za ljudsku potrošnju, voda za kupanje, otpadna voda, površinska voda, podzemna voda, tehnološka voda i led<br><i>Water for human consumption, bathing water, waste water, surface water, ground water, technological water and ice</i> | Brojenje fekalnih koliforma<br><i>Enumeration of fecal coliforms</i>                                                                                             | Vlastita metoda<br><i>In-house method</i><br><br>SOP-208-051<br>Izdanje/ <i>Edition</i> 01<br>2015-01-12<br><br>modificirana/ <i>modified</i><br>HRN EN ISO 9308-1:2014<br>( <i>ISO 9308-1:2014, EN ISO 9308-1:2014</i> )<br><br>modificirana/ <i>modified</i><br>HRN EN ISO 9308-2:2014<br>( <i>ISO 9308-2:2012, EN ISO 9308-2:2014</i> ) |

| Br. No.                                                          | Materijali/Proizvodi<br>Materials/Products                                                                                             | Vrsta ispitivanja/Svojstvo<br>Type of test/Property<br>Raspon/Range ili/or<br>Granica kvantifikacije/<br>Quantification limit                                                                                                                                  | Metoda ispitivanja<br>Test method                                                                                                                                                  |
|------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>III - Predmeti opće uporabe (POU) / Objects of common use</b> |                                                                                                                                        |                                                                                                                                                                                                                                                                |                                                                                                                                                                                    |
| 94.                                                              | Materijali i predmeti koji dolaze u kontakt s hranom - Plastika<br><i>Materials and articles in contact with foodstuffs – Plastics</i> | Metode ispitivanja globalne migracije<br><i>Test methods for overall migration</i>                                                                                                                                                                             | Vlastita metoda<br><i>In-house method</i><br>S<br>OP-82-054<br>Izdanje/Edition 03<br>2020-01-31<br><br>Modificirana/<br><i>Modified</i><br>HRN EN 1186-9:2004<br>(EN 1186-9:2002)  |
| 95.                                                              |                                                                                                                                        | Metode ispitivanja globalne migracije nakon potpunog uranjanja u vodeni model otopine namirnica<br><i>Test methods for overall migration into aqueous food simulants by total immersion</i>                                                                    | Vlastita metoda<br><i>In-house method</i><br><br>SOP-312-054<br>Izdanje/Edition 02<br>2021-06-14<br><br>Modificirana/<br><i>Modified</i><br>HRN EN 1186-3:2004<br>(EN 1186-3:2002) |
| 96.                                                              | Pulpa, papir i karton<br><i>Pulp, paper and board</i>                                                                                  | Određivanje sedam specifičnih polikloriranih bifenila (PKB : PCB-18, PCB-28, PCB-52, PCB-101, PCB-138, PCB-153, PCB-180)<br><i>Determination of seven specific polychlorinated biphenyls (PCB: PCB-18, PCB-28, PCB-52, PCB-101, PCB-138, PCB-153, PCB-180)</i> | HRN EN ISO 15318:2001<br>(ISO 15318:1999;<br>EN ISO 15318:1999)                                                                                                                    |

| <b>Br. No.</b> | <b>Materijali/Proizvodi</b><br><i>Materials/Products</i>                                                                                                                                          | <b>Vrsta ispitivanja/Svojstvo</b><br><i>Type of test/Property</i><br><b>Raspon/Range ili/or</b><br><b>Granica kvantifikacije/</b><br><i>Quantification limit</i>                                                                                      | <b>Metoda ispitivanja</b><br><i>Test method</i>                    |
|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|
| 97.            | Materijali i proizvodi u kontaktu s namirnicama-sastojci plastike podvrgnuti ograničenjima<br><i>Materials and articles in contact with foodstuffs-Plastics substances subject to limitations</i> | Određivanje formaldehida u model otopini hrane<br><i>Determination of formaldehyde in food simulans</i>                                                                                                                                               | HRN CEN/TS 13130-23:2005<br>(CEN/TS 13130-23:2005)                 |
| 98.            | Tekstil<br><i>Textiles</i>                                                                                                                                                                        | Određivanje formaldehida: slobodni i hidrolizirani formaldehid (ekstrakcija vodom)<br><i>Determination of formaldehyde: Free and hydrolised formaldehyde (water extraction method)</i>                                                                | HRN EN ISO 14184-1:2011<br>(ISO 14184-1:2011; EN ISO 14184-1:2011) |
| 99.            | Predmeti opće uporabe<br>Kemijski pripravci<br>Otpadna voda, podzemna i površinska voda<br><i>Common use objects<br/>Chemical compounds<br/>Waste water, ground and surface water</i>             | Određivanje inhibicije pokretljivosti <i>Daphnia magna</i> Straus(Cladocera, Crustacea)- Test akutne toksičnosti<br><i>Determination of the inhibition of the mobility of Daphnia magna Straus (Cladocera, Crustacea)- Acute toxicity test</i>        | HRN EN ISO 6341:2013<br>(ISO 6341:2012; EN ISO 6341:2012)          |
| 100.           | Predmeti opće uporabe<br>Kemijski pripravci<br>Otpadna voda, <i>Common use objects<br/>Chemical compounds<br/>Waste water, ground and surface water</i>                                           | Ispitivanje inhibicije rasta slatkovodnih algi s jednostaničnim zelenim algama<br><i>Fresh-water algal growth inhibition test with unicellular green algae</i>                                                                                        | HRN EN ISO 8692:2012<br>(ISO 8692:2012; EN ISO 8692:2012)          |
| 101.           | Predmeti opće uporabe<br>Kemijski pripravci<br><i>Common use objects<br/>Chemical compounds</i>                                                                                                   | Procjena potpune aerobne biološke razgradnje organskih tvari u vodi – Metoda određivanja nastalog ugljikova dioksida<br><i>Evaluation of ultimate aerobic biodegradability of organic compounds in aqueous medium – Carbon dioxide evolution test</i> | HRN EN ISO 9439:2000<br>(ISO 9439:1999; EN ISO 9439:2000)          |

| <b>Br. No.</b> | <b>Materijali/Proizvodi</b><br><i>Materials/Products</i>                                              | <b>Vrsta ispitivanja/Svojstvo</b><br><i>Type of test/Property</i><br><b>Raspon/Range ili/or</b><br><b>Granica kvantifikacije/</b><br><i>Quantification limit</i>                                                                                                                                                                                                         | <b>Metoda ispitivanja</b><br><i>Test method</i>                                                  |
|----------------|-------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|
| 102.           | Predmeti opće uporabe<br>Kemijски pripravci<br><i>Common use objects</i><br><i>Chemical compounds</i> | Procjena potpune aerobne<br>biološke razgradnje organskih<br>tvari u vodi – Metoda<br>određivanja biokemijske<br>potrošnje kisika (test u<br>zatvorenim bocama)<br><i>Evaluation in an aqueous<br/>medium of the „ultimate“<br/>aerobic biodegradability of<br/>organic compounds – Method<br/>by analysis of biochemical<br/>oxygen demand<br/>(closed bottle test)</i> | HRN EN ISO 10707:2000<br>(ISO 10707:1994;<br>EN ISO 10707:1997)                                  |
| 103.           | Predmeti opće uporabe<br><i>Object of common use</i>                                                  | Određivanje 5-kloro-2-<br>metilizotiazol-3(2h)- ona i 2-<br>metilizotiazol- 3(2h)-ona u<br>kozmetičkim proizvodima<br>HPLC tehnikom<br><i>Determination of<br/>Methylchloroisothiazolinone<br/>and Methylisothiazolinone in<br/>cosmetic products by HPLC</i>                                                                                                            | Vlastita metoda<br><i>In-house method</i><br><br>SOP-223-053<br>Izdanje/Edition 01<br>2017-06-12 |
| 104.           | Kozmetički proizvodi<br><i>Cosmetics</i>                                                              | Određivanje pH-vrijednosti<br><i>Determination of the pH-value</i>                                                                                                                                                                                                                                                                                                       | Vlastita metoda<br><i>In-house method</i><br><br>SOP-261-054<br>Izdanje/Edition 01<br>2015-03-10 |
| 105.           |                                                                                                       | Određivanje sadržaja vode u<br>kozmetičkim proizvodima sa<br>povećanim sadržajem vode<br>(više od 60%)<br><i>Determination of water content<br/>in cosmetic products<br/>with increased water content<br/>(more than 60%)</i>                                                                                                                                            | Vlastita metoda<br><i>In-house method</i><br><br>SOP-394-054<br>Izdanje/Edition 01<br>2020-03-02 |

| Br. No. | Materijali/Proizvodi<br>Materials/Products | Vrsta ispitivanja/Svojstvo<br>Type of test/Property<br>Raspon/Range ili/or<br>Granica kvantifikacije/<br>Quantification limit                                                                                                                                                                                 | Metoda ispitivanja<br>Test method                                                                |
|---------|--------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|
| 106.    | Kozmetički proizvodi<br>Cosmetics          | Određivanje konzervansa (Benzojeva kis., Sorbinska kis., 2-Fenoksietanol, Metilparaben, Etil-paraben, Propilparaben i Butilparaben) HPLC tehnikom<br><i>Determination of preservatives (Benzoic acid, Sorbic acid, 2-Phenoxyethanol, Methylparaben, Ethylparaben, Propylparaben and Butylparaben) by HPLC</i> | Vlastita metoda<br><i>In-house method</i><br><br>SOP-273-053<br>Izdanja/Edition 02<br>2016-02-10 |
| 107.    |                                            | Određivanje broja aerobnih mezofilnih bakterija<br><i>Enumeration of aerobic mesophilic bacteria</i>                                                                                                                                                                                                          | HRN EN ISO 21149:2017<br><i>(ISO 21149:2017; EN ISO 21149:2017)</i>                              |
| 108.    |                                            | Određivanje broja kvasaca i plijesni<br><i>Enumeration of yeast and mold</i>                                                                                                                                                                                                                                  | HRN EN ISO 16212:2017<br><i>(ISO 16212:2017; EN ISO 16212:2017)</i>                              |
| 109.    |                                            | Dokazivanje bakterije <i>Escherichia coli</i><br><i>Detection of Escherichia coli</i>                                                                                                                                                                                                                         | HRN EN ISO 21150:2016<br><i>(ISO 21150:2015; EN ISO 21150:2015)</i>                              |
| 110.    |                                            | Dokazivanje bakterije <i>Pseudomonas aeruginosa</i><br><i>Detection of Pseudomonas aeruginosa</i>                                                                                                                                                                                                             | HRN EN ISO 22717:2016<br><i>(ISO 22717:2015; EN ISO 22717:2015)</i>                              |
| 111.    |                                            | Dokazivanje bakterije <i>Staphylococcus aureus</i><br><i>Detection of Staphylococcus aureus</i>                                                                                                                                                                                                               | HRN EN ISO 22718:2016<br><i>(ISO 22718:2015; EN ISO 22718:2015)</i>                              |
| 112.    |                                            | Dokazivanje kvasca <i>Candida albicans</i><br><i>Detection of Candida albicans</i>                                                                                                                                                                                                                            | HRN EN ISO 18416:2016<br><i>(ISO 18416:2015; EN ISO 18416:2015)</i>                              |

| Br.<br>No.                                                                              | Materijali/Proizvodi<br>Materials/Products               | Vrsta ispitivanja/Svojstvo<br>Type of test/Property<br>Raspon/Range ili/or<br>Granica kvantifikacije/<br>Quantification limit                                                                                  | Metoda ispitivanja<br>Test method                                     |
|-----------------------------------------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|
| <b>IV – Otpad, voda, tlo, muljevi i eluati / Waste, water, soil, sludges and eluate</b> |                                                          |                                                                                                                                                                                                                |                                                                       |
| 113.                                                                                    | Tlo<br>Soil                                              | Uzorkovanje<br>Sampling                                                                                                                                                                                        | HRN ISO 18400-102:2017<br>(ISO 18400-102:2017)                        |
| 114.                                                                                    | Mulj<br>Sludge                                           | Uzorkovanje<br>Sampling                                                                                                                                                                                        | HRN EN ISO 5667-13:2011<br>(ISO 5667-13:2011;<br>EN ISO 5667-13:2011) |
| 115.                                                                                    | Otpad<br>Waste                                           | Uzorkovanje<br>Sampling                                                                                                                                                                                        | HRI CEN/TR 15310-<br>(2-5):2008<br>(CEN/TR 15310-<br>(2-5):2006)      |
| 116.                                                                                    | Kruta oporabljena goriva<br>SRF<br>Solid recovered fuels | Uzorkovanje<br>Sampling                                                                                                                                                                                        | HRN EN ISO 21645:2021<br>(ISO 21645:2021;<br>EN ISO 21645:2021)       |
| 117.                                                                                    | Eluat otpada<br>Waste eluate                             | Određivanje ukupno<br>otopljenih krutina (TDS) u<br>vodi i eluatima<br>Determination of total<br>dissolved solids (TDS) in<br>water and eluates<br>Granica kvantifikacija/<br>Quantification limit<br>100 mg/L | HRN EN 15216:2021<br>(EN 15216:2021)                                  |
| 118.                                                                                    |                                                          | Određivanje pH vrijednosti u<br>vodi i eluatima tla i otpada<br>Determination of pH in water<br>and waste and soil eluates<br>2-12                                                                             | HRN EN ISO 10523:2012<br>(ISO 10523:2008;<br>EN ISO 10523:2012)       |
| 119.                                                                                    | Tlo, mulj<br>Soil, sludge                                | Određivanje pH vrijednosti<br>Determination of pH<br>2-12                                                                                                                                                      | HRN ISO 10390:2022<br>(ISO 10390:2021;<br>EN ISO 10390:2022)          |

| <b>Br.<br/>No.</b> | <b>Materijali/Proizvodi<br/>Materials/Products</b>       | <b>Vrsta ispitivanja/Svojstvo<br/>Type of test/Property<br/>Raspon/Range ili/or<br/>Granica kvantifikacije/<br/>Quantification limit</b> | <b>Metoda ispitivanja<br/>Test method</b>                                |
|--------------------|----------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|
| 120.               | Eluat otpada i tla<br>Waste and soil eluate              | Određivanje električne<br>vodljivosti<br>Determination of electrical<br>conductivity<br>≥28 μS/cm                                        | HRN EN 27888:2008<br>(ISO 7888:1985;<br>EN 27888:1993)                   |
| 121.               | Kruta oporabljena goriva<br>SRF<br>Solid recovered fuels | Određivanje sadržaja vlage<br>Determination of the moisture<br>content                                                                   | HRN EN ISO<br>21660-3:2021<br>(ISO 21660-3:2021;<br>EN ISO 21660-3:2021) |
| 122.               |                                                          | Određivanje sadržaja pepela<br>Determination of the ash<br>content                                                                       | HRN EN ISO 21656:2021<br>(ISO 21656:2021;<br>EN ISO 21656:2021)          |
| 123.               |                                                          | Određivanje sadržaja biomase<br>Determination of the biomass<br>content                                                                  | HRN EN ISO 21644:2021<br>(ISO 21644:2021;<br>EN ISO 21644:2021)          |

| Br. No. | Materijali/Proizvodi<br>Materials/Products                                                                                                                                                                                                                                                                                               | Vrsta ispitivanja/Svojstvo<br>Type of test/Property<br>Raspon/Range ili/or<br>Granica kvantifikacije/<br>Quantification limit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Metoda ispitivanja<br>Test method                                                                                                                                                                                       |
|---------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 124.    | Voda za ljudsku potrošnju, prirodna mineralna, prirodna izvorska, stolna, sirova, površinska, podzemna, tehnološka i otpadna voda, i eluat otpada<br>Water for human consumption, natural mineral water, natural spring water, table water, raw water, surface water, ground water, technological water and waste water and waste eluate | <p>Određivanje koncentracije žive atomskom apsorpcijskom spektrometrijom (hidridna tehnika)<br/><i>Determination of mercury by atomic absorption spectrometry (hydride technique)</i></p> <p>Granica kvantifikacije 0,1 µg/L za vodu za ljudsku potrošnju, prirodnu mineralnu, prirodnu izvorsku, stolna, sirova, površinska, podzemna i tehnološku<br/>Granica kvantifikacije za otpanu vodu i eluate 0,0001 mg/L<br/><i>Quantification limit 0,1 µg/L for water for human consumption, natural mineral water, natural spring water, table water, surface water, ground water</i></p> <p>Quantification limit 0,0001 mg/L for waste water</p> | <p>Vlastita metoda<br/><i>In house method</i></p> <p>SOP-22-053<br/>Izdanje/Edition 05<br/>2018-08-29</p> <p>modificirana<br/><i>modified</i><br/>HRN EN ISO 12846:2012<br/>(ISO 12846:2012;<br/>EN ISO 12846:2012)</p> |
| 125.    |                                                                                                                                                                                                                                                                                                                                          | <p>Određivanje ukupnog organskog ugljika (UOU) i otopljenog organskog ugljika (OOU)<br/><i>Determination of total organic carbon (TOC) and dissolved organic carbon (DOC)</i></p> <p>Granica kvantifikacija/<br/>Quantification limit 0,5 mg/L</p>                                                                                                                                                                                                                                                                                                                                                                                             | <p>HRN EN 1484:2002<br/>(EN 1484:1997)</p>                                                                                                                                                                              |



| Br. No. | Materijali/Proizvodi<br>Materials/Products                                                                                                                                                                                                                                                                                                         | Vrsta ispitivanja/Svojstvo<br>Type of test/Property<br>Raspon/Range ili/or<br>Granica kvantifikacije/<br>Quantification limit                                                                                                                              | Metoda ispitivanja<br>Test method                                                                                                                                         |
|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 126.    | Voda za ljudsku potrošnju, prirodna mineralna, prirodna izvorska, stolna, sirova, površinska, podzemna, tehnološka i otpadna voda, eluat otpada i tla<br>Water for human consumption, natural mineral water, natural spring water, table water, raw water, surface water, ground water, technological water and waste water, waste and soil eluate | Određivanje adsorbibilnih organski vezanih halogena (AOX)<br>Determination of adsorbable organically bound halogens (AOX)<br><br>Granica kvantifikacija/<br>Quantification limit<br>0,02 mg/L                                                              | HRN EN ISO 9562:2008<br>(ISO 9562:2004;<br>EN 9562:2004)                                                                                                                  |
| 127.    |                                                                                                                                                                                                                                                                                                                                                    | Određivanje sadržaja mineralnih ulja fluorescentnom spektrometrijom<br>Determination of mineral oil content by fluorescence spectrometry<br><br>Granica kvantifikacija/<br>Quantification limit<br>10 µg/L<br>0,2 mg/L (otpadna voda, eluati otpada i tla) | Vlastita metoda<br>In house method<br><br>SOP-60-058<br>Izdanje/Edition 02<br>2016-10-19<br><br>modificirana<br>modified<br>ASTM D 4763-06, 2020                          |
| 128.    | Otpadna voda i eluat otpada<br>Waste water and waste eluate                                                                                                                                                                                                                                                                                        | Određivanje fluorida elektrokemijskom metodom<br>Determination of fluoride by electrochemical probe method<br><br>Granica kvantifikacija/<br>Quantification limit<br>0,2 mg/L                                                                              | HRN ISO 10359-1:1998<br>(ISO 10359-1:1992)                                                                                                                                |
| 129.    | Otpadna ulja, otpad, mulj i kruta oporabljena goriva<br>Waste oil, waste, sludge, solid recovered fuels                                                                                                                                                                                                                                            | Određivanje ogrjevnice (toplinske) vrijednosti kalorimetrijskom metodom<br>Determination of net calorific value by calorimetric method                                                                                                                     | ISO 1928:2020;<br>HRN EN 15170:2010;<br>(EN 15170:2010)<br>HRN EN ISO 21654:2021<br>(ISO 21654:2021;<br>EN ISO 21654:2021<br>HRS CEN/TS 16023:2014<br>(CEN/TS 16023:2013) |

| Br. No. | Materijali/Proizvodi<br>Materials/Products  | Vrsta ispitivanja/Svojstvo<br>Type of test/Property<br>Raspon/Range ili/or<br>Granica kvantifikacije/<br>Quantification limit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Metoda ispitivanja<br>Test method                                                                   |
|---------|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|
| 130.    | Tlo, mulj i otpad<br>Soil, sludge and waste | <p>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)</p> <p>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)</p> <p>Granica kvantifikacije/<br/>Quantification limit<br/>0,01 mg/kg</p> | <p>Vlastita metoda<br/>In-house method</p> <p>SOP-145-053<br/>Izdanje/Edition 01<br/>2016-05-06</p> |

| Br. No. | Materijali/Proizvodi<br>Materials/Products                                     | Vrsta ispitivanja/Svojstvo<br>Type of test/Property<br>Raspon/Range ili/or<br>Granica kvantifikacije/<br>Quantification limit                                                                                                                                                                                                                                                                                                                                                                                                                                            | Metoda ispitivanja<br>Test method                                                                                                                                                                               |
|---------|--------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 131.    | Tlo<br>Soil                                                                    | <p>Određivanje BTEX-a (benzen, toluen, etilbenzen, m-,p-,o-ksilen) i mineralnih ulja u tlu plinskom kromatografijom i spektrometrijom masa<br/><i>Determination of BTEX (benzene, toluene, ethylbenzene, m-,p-,o-xylene) and mineral oils in soil by gas chromatography and mass spectrometry</i></p> <p>Granica kvantifikacije<br/>1,0 mg/kg<br/>za svaki analit iz skupine BTEX-a pojedinačno<br/>i<br/>200 mg/kg<br/>za mineralna ulja</p> <p>Quantification limit<br/>1,0 mg/kg<br/>for each BTEX analyte individually<br/>and<br/>200 mg/kg<br/>for mineral oil</p> | <p>Vlastita metoda<br/><i>In-house method</i></p> <p>SOP-231-053<br/>Izdanje/Edition 01<br/>2016-05-09</p>                                                                                                      |
| 132.    | Tlo, mulj, kruti i tekući otpad<br><i>Soil, sludge, solid and liquid waste</i> | <p>Određivanje suhog ostatka, gubitka žarenjem, pepela i sadržaja vode na osnovi mase – Gravimetrijska metoda<br/><i>Determination of dry matter, loss on ignition, ash and water content on a mass basis – Gravimetric method</i></p>                                                                                                                                                                                                                                                                                                                                   | <p>HRN EN 15934:2013<br/>(EN 15934:2012)<br/>HRN ISO 11465:2004<br/>(ISO 11465:1993 + Cor. 1:1994)<br/>HRN EN 15935:2021<br/>(EN 15935:2021)<br/>HRN EN ISO 6245:2003<br/>(ISO 6245:2001; EN ISO 6245:2002)</p> |
| 133.    | Otpad, mulj, tlo i sediment<br><i>Waste, sludge, soil and sediment</i>         | <p>Određivanje ukupnog organskog ugljika (UOU)<br/><i>Determination of total organic carbon (TOC)</i></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <p>HRN EN 15936:2022<br/>(EN 15936:2022)</p>                                                                                                                                                                    |

| Br. No. | Materijali/Proizvodi<br>Materials/Products                         | Vrsta ispitivanja/Svojstvo<br>Type of test/Property<br>Raspon/Range ili/or<br>Granica kvantifikacije/<br>Quantification limit                                                                                                                                                                                                                                                                                                                                                       | Metoda ispitivanja<br>Test method                                                        |
|---------|--------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| 134.    | Muljevi, otpad, tlo i sediment<br>Sludge, waste, soil and sediment | Određivanje dušika po Kjeldahlu<br>Determination of Kjeldahl nitrogen                                                                                                                                                                                                                                                                                                                                                                                                               | HRN EN 16169:2013<br>(EN 16169:2012)                                                     |
| 135.    | Rabljena ulja<br>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<br>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<br><br>Granica kvantifikacija/Limit of quantification<br>0,1 mg/kg<br>za svaki pojedini kongener/for each congener<br>1 mg/kg<br>za ukupne PCB-e/total PCB content | HRN EN 12766-1:2002<br>(EN 12766-1:2000)<br><br>HRN EN 12766-2:2002<br>(EN 12766-2:2001) |
| 136.    | Tlo, mulj, otpad<br>Soil, sludge, waste                            | Određivanje i prebrojavanje <i>E. coli</i> u muljevima tlima i biološkom otpadu metodom najvjerojatnijeg broja mikrotitarskim pločama<br>The most probable number method for detection and enumeration of <i>Escherichia coli</i> in sludges, soils and biowastes by microtiter plates                                                                                                                                                                                              | HRI CEN/TR 15214-2:2008<br>(CEN/TR 15214-2:2006)                                         |
| 137.    | Tlo, mulj, otpad<br>Soil, sludge, waste                            | Određivanje <i>Salmonella</i> u mulju, tlu i biološkom otpadu<br>Detection of <i>Salmonella</i> in soil, sludge and biowastes                                                                                                                                                                                                                                                                                                                                                       | HRI CEN/TR 15215-3:2008<br>(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<br>Materials/Products | Vrsta ispitivanja/Svojstvo<br>Type of test/Property<br>Raspon/Range ili/or<br>Granica kvantifikacije/<br>Quantification limit                                                                                                                    | Metoda ispitivanja<br>Test method                                                                    |
|-----------------------|--------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|
| <b>V – Zrak / Air</b> |                                            |                                                                                                                                                                                                                                                  |                                                                                                      |
| 138.                  | Vanjski zrak<br>Ambient air                | Aerobiološka volumetrijska metoda za određivanje kvalitativnog i kvantitativnog sadržaja peluda<br><i>Aerobiological volumetric method for the determination of qualitative and quantitative content of pollen</i>                               | Vlastita metoda<br><i>In-house method</i><br><br>SOP-48-058<br>Izdanje/Edition 03<br>2015-05-25      |
| 139.                  |                                            | Standardna metoda za mjerenje koncentracije ugljikova monoksida nedisperzivnom infracrvenom spektroskopijom<br><i>Standard method for the measurement of the concentration of carbon monoxide by non-dispersive infrared spectroscopy</i>        | HRN EN 14626:2012<br>(EN 14626:2012)                                                                 |
| 140.                  |                                            | Standardna metoda za mjerenje koncentracije dušikova dioksida i dušikova monoksida u zraku kemiluminiscencijom<br><i>Standard method for the measurement of the concentration of nitrogen dioxide and nitrogen monoxide by chemiluminescence</i> | HRN EN 14211:2012<br>(EN 14211:2012)                                                                 |
| 141.                  |                                            | Standardna metoda za mjerenje koncentracija sumporova dioksida u zraku ultraljubičastom fluorescencijom<br><i>Standard method for the measurement of the concentration of sulphur dioxide by ultraviolet fluorescence</i>                        | HRN EN 14212:2012<br>(EN 14212:2012)<br><br>HRN EN 14212:2012/Ispr.1:2014<br>(EN 14212:2012/AC:2014) |

| Br. No. | Materijali/Proizvodi<br>Materials/Products | Vrsta ispitivanja/Svojstvo<br>Type of test/Property<br>Raspon/Range ili/or<br>Granica kvantifikacije/<br>Quantification limit                                                                                                                                                                                                                                                                                                                                                | Metoda ispitivanja<br>Test method     |
|---------|--------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|
| 142.    | Vanjski zrak<br>Ambient air                | Standardna metoda za mjerenje koncentracije ozona ultraljubičastom fotometrijom<br><i>Standard method for the measurement of the concentration of ozone by ultraviolet photometry</i>                                                                                                                                                                                                                                                                                        | HRN EN 14625:2012<br>(EN 14625:2012)  |
| 143.    |                                            | Određivanje ukupne taložne tvari (UTT) u zraku prema Bergerhoff metodi<br><i>Determination of total deposited matter (TDM) in the air according to Bergerhoff method</i>                                                                                                                                                                                                                                                                                                     | VDI 4320-2:2012,<br>2. dio/<br>part 2 |
| 144.    |                                            | Određivanje količine arsena, kadmija, olova, nikla u ukupnoj taložnoj tvari zraka primjenom induktivno spregnute plazme sa spektrometrijom masa<br><i>Determination of arsenic, cadmium, lead, nickel in the total deposition of air by inductively coupled plasma with mass spectrometry</i><br><br>Granica kvantifikacije/<br>Quantification limit<br>As 0,2 µgm <sup>-2</sup> /d<br>Cd 0,1 µgm <sup>-2</sup> /d<br>Pb 1 µgm <sup>-2</sup> /d<br>Ni 2 µgm <sup>-2</sup> /d | HRN EN 15841:2010<br>(EN 15841:2009)  |

| Br. No. | Materijali/Proizvodi<br>Materials/Products | Vrsta ispitivanja/Svojstvo<br>Type of test/Property<br>Raspon/Range ili/or<br>Granica kvantifikacije/<br>Quantification limit                                                                                                                                                                                                  | Metoda ispitivanja<br>Test method                                                                          |
|---------|--------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|
| 145.    | Vanjski zrak<br>Ambient air                | <p>Određivanje talija u ukupnoj taložnoj tvari zraka primjenom induktivno spregnute plazme sa spektrometrijom masa<br/><i>Determination of thallium in total deposition of air by inductively coupled plasma with mass spectrometry</i></p> <p>Granica kvantifikacije/<br/>Quantification limit<br/>0,8 µgm<sup>-2</sup>/d</p> | <p>Vlastita metoda<br/><i>In-house method</i></p> <p>SOP-350-053<br/>Izdanje/Edition 02<br/>2020-12-01</p> |
| 146.    |                                            | <p>Određivanje žive u ukupnoj taložnoj tvari zraka atomskom apsorpcijskom spektrometrijom<br/><i>Determination of mercury in total deposition of air by atomic absorption spectrometry</i></p> <p>Granica kvantifikacije/<br/>Quantification limit<br/>0,07 µgm<sup>-2</sup>/d</p>                                             | <p>Vlastita metoda<br/><i>In-house method</i></p> <p>SOP-168-053<br/>Izdanje/Edition 01<br/>2018-01-12</p> |
| 147.    | Unutarnji zrak<br>Indoor air               | <p>Mikrobiološko uzorkovanje zraka<br/><i>Microbiological sampling of air</i></p>                                                                                                                                                                                                                                              | <p>HRN EN 13098:2019<br/>(EN 13098:2019)</p>                                                               |
| 148.    |                                            | <p>Detekcija i brojanje mikroorganizama<br/><i>Detection and enumeration of microorganisms</i></p>                                                                                                                                                                                                                             | <p>ISO 16000-17:2008<br/>HRN EN 13098:2019<br/>(EN 13098:2019)</p>                                         |

| Br.<br>No.                                                                                                                                                                                                                      | Materijali/Proizvodi<br>Materials/Products              | Vrsta ispitivanja/Svojstvo<br>Type of test/Property<br>Raspon/Range             | Metoda ispitivanja<br>Test method                                      |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------------------------------|------------------------------------------------------------------------|
| <b>VI – Građevni proizvodi / Construction products</b>                                                                                                                                                                          |                                                         |                                                                                 |                                                                        |
| Proizvodi za inženjerstvo otpadnih voda/<br>Waste water engineering products                                                                                                                                                    |                                                         |                                                                                 |                                                                        |
| 149.                                                                                                                                                                                                                            | Kanalizacijski sustavi<br>Sewer systems                 | Ispitivanje vodonepropusnosti<br>vodom<br>Testing of watertightness by<br>water | HRN EN 1610:2015 <sup>(3)</sup><br>(EN 1610:2015)<br>Točka/Clause 13.3 |
| 150.                                                                                                                                                                                                                            | Građevine odvodnje<br>Sewer constructions               | Ispitivanje vodonepropusnosti<br>Testing of watertightness                      | HRN EN 1508:2007 <sup>(3)</sup><br>(EN 1508:1998)<br>Točka/Clause 8.3  |
| Građevni proizvodi koji su u dodiru s vodom namijenjenom za ljudsku potrošnju/<br>Construction products in contact with water intended for human consumption                                                                    |                                                         |                                                                                 |                                                                        |
| 151.                                                                                                                                                                                                                            | Vodoopskrbne građevine<br>Water supply<br>constructions | Ispitivanje vodonepropusnosti<br>Testing of watertightness                      | HRN EN 1508:2007 <sup>(3)</sup><br>(EN 1508:1998)<br>Točka/Clause: 8.3 |
| <sup>(3)</sup> Zadovoljava zahtjeve / Satisfies requirements of HAA-Pr-2/12, Pravila za akreditaciju ispitivanja<br>vodoopskrbnih i odvodnih sustava / Rules for accreditation for testing of water supply and drainage systems |                                                         |                                                                                 |                                                                        |



## FLEKSIBILNO PODRUČJE AKREDITACIJE/FLEXIBLE SCOPE OF ACCREDITATION

| Br.<br>No.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Oznaka/<br>Identification | Materijali/Proizvodi<br>Materials/Products | Vrsta ispitivanja/Svojstvo<br>Type of test/Property<br>Granica kvantifikacije/<br>Quantification limit | Tehnika /<br>Technique | Metoda ispitivanja /<br>Test method                                                                                                                                                  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|--------------------------------------------|--------------------------------------------------------------------------------------------------------|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>I – Hrana i hrana za životinje</b></p> <p><b>Aditivi (A)</b> Sladila (A1), Kofein i konzervansi (A2), Nitriti (A3), <b>Kontaminanti (B)</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), <b>Kvaliteta (C)</b>, <b>Farmakološki aktivne tvari (D)</b> Kloramfenikol (D1), Sulfonamidi (D2), <b>Alergeni (E)</b> i <b>Biljni toksini (F)</b>.</p> <p><b>I – Food and animal feeding stuffs</b></p> <p><b>Additives (A)</b> Sweeteners (A1), Caffeine and preservatives (A2), Nitrites (A3), <b>Contaminants (B)</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), <b>Quality (C)</b>, <b>Pharmacologically active substances (D)</b> Chloramphenicol (D1), Sulfonamides (D2), <b>Allergens (E)</b> and <b>Plant toxins (F)</b></p> |                           |                                            |                                                                                                        |                        |                                                                                                                                                                                      |
| 1.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | I A1                      | Hrana<br>Food                              | Određivanje sladila<br>Determination of sweeteners                                                     | HPLC UV                | Prema popisu metoda dostupnom na <a href="http://www.stampar.hr">www.stampar.hr</a><br>According the list of methods available on <a href="http://www.stampar.hr">www.stampar.hr</a> |
| 2.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | I A2                      | Hrana<br>Food                              | Određivanje kofeina i konzervansa<br>Determination of caffeine and preservatives                       | HPLC UV                | Prema popisu metoda dostupnom na <a href="http://www.stampar.hr">www.stampar.hr</a><br>According the list of methods available on <a href="http://www.stampar.hr">www.stampar.hr</a> |
| 3.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | I A3                      | Hrana<br>Food                              | Određivanje nitrita<br>Determination of nitrites                                                       | HPLC UV                | Prema popisu metoda dostupnom na <a href="http://www.stampar.hr">www.stampar.hr</a><br>According the list of methods available on <a href="http://www.stampar.hr">www.stampar.hr</a> |

| <b>Br. No.</b> | <b>Oznaka/ Identification</b> | <b>Materijali/Proizvodi Materials/Products</b>               | <b>Vrsta ispitivanja/Svojstvo Type of test/Property</b><br><b>Granica kvantifikacije/ Quantification limit</b> | <b>Tehnika / Technique</b> | <b>Metoda ispitivanja / Test method</b>                                                                                                                                              |
|----------------|-------------------------------|--------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 4.             | I B1-1                        | Hrana<br>Food                                                | Ostaci pesticida<br>Determination of pesticide residues                                                        | GC-MS/MS                   | Prema popisu metoda dostupnom na <a href="http://www.stampar.hr">www.stampar.hr</a><br>According the list of methods available on <a href="http://www.stampar.hr">www.stampar.hr</a> |
| 5.             | I B1-2                        | Hrana<br>Food                                                | Ostaci pesticida<br>Determination of pesticide residues                                                        | UPLC-MS/MS                 | Prema popisu metoda dostupnom na <a href="http://www.stampar.hr">www.stampar.hr</a><br>According the list of methods available on <a href="http://www.stampar.hr">www.stampar.hr</a> |
| 6.             | I B1-3                        | Hrana<br>Food                                                | Ostaci pesticida<br>Determination of pesticide residues                                                        | GC-ECD                     | Prema popisu metoda dostupnom na <a href="http://www.stampar.hr">www.stampar.hr</a><br>According the list of methods available on <a href="http://www.stampar.hr">www.stampar.hr</a> |
| 7.             | I B2-1                        | Hrana<br>Food                                                | Određivanje metala<br>Determination of metals                                                                  | AAS<br>(PAAS, MHS, DMA)    | Prema popisu metoda dostupnom na <a href="http://www.stampar.hr">www.stampar.hr</a><br>According the list of methods available on <a href="http://www.stampar.hr">www.stampar.hr</a> |
| 8.             | I B2-2                        | Hrana i hrana za životinje<br>Food and animal feeding stuffs | Određivanje metala<br>Determination of metals                                                                  | ICP – MS                   | Prema popisu metoda dostupnom na <a href="http://www.stampar.hr">www.stampar.hr</a><br>According the list of methods available on <a href="http://www.stampar.hr">www.stampar.hr</a> |

| Br. No. | Oznaka/<br>Identification | Materijali/Proizvodi<br>Materials/Products | Vrsta ispitivanja/Svojstvo<br>Type of test/Property<br>Granica kvantifikacije/<br>Quantification limit  | Tehnika /<br>Technique             | Metoda ispitivanja /<br>Test method                                                                                                                                                  |
|---------|---------------------------|--------------------------------------------|---------------------------------------------------------------------------------------------------------|------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 9.      | I B3                      | Hrana<br>Food                              | Određivanje mikotoksina<br>Determination of mycotoxins                                                  | LC-MS/MS<br>UPLC-MS/MS<br>HPLC-FLD | Prema popisu metoda dostupnom na <a href="http://www.stampar.hr">www.stampar.hr</a><br>According the list of methods available on <a href="http://www.stampar.hr">www.stampar.hr</a> |
| 10.     | I B4                      | Hrana<br>Food                              | Određivanje nitrata<br>Determination of nitrates                                                        | HPLC UV                            | Prema popisu metoda dostupnom na <a href="http://www.stampar.hr">www.stampar.hr</a><br>According the list of methods available on <a href="http://www.stampar.hr">www.stampar.hr</a> |
| 11.     | I B5                      | Mlijeko<br>Milk                            | Određivanje cijanurne kiseline<br>Determination of cyanuric acid                                        | LC-MS/MS<br>UPLC-MS/MS             | Prema popisu metoda dostupnom na <a href="http://www.stampar.hr">www.stampar.hr</a><br>According the list of methods available on <a href="http://www.stampar.hr">www.stampar.hr</a> |
| 12.     | I B6                      | Hrana<br>Food                              | Određivanje policikličkih aromatskih ugljikovodika<br>Determination of polycyclic aromatic hydrocarbons | HPLC FLD                           | Prema popisu metoda dostupnom na <a href="http://www.stampar.hr">www.stampar.hr</a><br>According the list of methods available on <a href="http://www.stampar.hr">www.stampar.hr</a> |
| 13.     | I C1                      | Hrana<br>Food                              | Određivanje ugljikohidrata/<br>Determination of carbohydrates                                           | HPLC RID                           | Prema popisu metoda dostupnom na <a href="http://www.stampar.hr">www.stampar.hr</a><br>According the list of methods available on <a href="http://www.stampar.hr">www.stampar.hr</a> |

| <b>Br. No.</b> | <b>Oznaka/ Identification</b> | <b>Materijali/Proizvodi Materials/Products</b> | <b>Vrsta ispitivanja/Svojstvo Type of test/Property</b><br><b>Granica kvantifikacije/ Quantification limit</b> | <b>Tehnika / Technique</b> | <b>Metoda ispitivanja / Test method</b>                                                                                                                                              |
|----------------|-------------------------------|------------------------------------------------|----------------------------------------------------------------------------------------------------------------|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 14.            | I D1                          | Hrana<br>Food                                  | Određivanje kloramfenikola<br>Determination of chloramphenicol                                                 | LC-MS/MS<br>UPLC-MS/MS     | Prema popisu metoda dostupnom na <a href="http://www.stampar.hr">www.stampar.hr</a><br>According the list of methods available on <a href="http://www.stampar.hr">www.stampar.hr</a> |
| 15.            | I D2                          | Hrana<br>Food                                  | Određivanje sulfonamida<br>Determination of sulfonamides                                                       | LC-MS/MS<br>UPLC-MS/MS     | Prema popisu metoda dostupnom na <a href="http://www.stampar.hr">www.stampar.hr</a><br>According the list of methods available on <a href="http://www.stampar.hr">www.stampar.hr</a> |
| 16.            | I E1                          | Hrana<br>Food                                  | Određivanje alergena<br>Determination of allergens                                                             | ELISA                      | Prema popisu metoda dostupnom na <a href="http://www.stampar.hr">www.stampar.hr</a><br>According the list of methods available on <a href="http://www.stampar.hr">www.stampar.hr</a> |
| 17.            | I F1                          | Hrana<br>Food                                  | Određivanje biljnih toksina<br>Determination of plant toxins                                                   | LC-MS/MS<br>GC-FID         | Prema popisu metoda dostupnom na <a href="http://www.stampar.hr">www.stampar.hr</a><br>According the list of methods available on <a href="http://www.stampar.hr">www.stampar.hr</a> |

| <b>II – Voda</b><br><b>Odabrani elementi i kontaminanti (A)</b> Odabrani metali (A1), Odabrani anioni (A2), Odabrani kationi (A3), Ostaci pesticida (A4), Sredstava za zaštitu bilja (A5)<br><b>II – Water</b><br><b>Selected elements and contaminants (A)</b> Selected metals (A1), Selected anions (A2), Selected kations (A3), Pesticide residues (A4), Plant treatment agents (A5) |       |               |                                                                      |         |                                                                                                                                                     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|---------------|----------------------------------------------------------------------|---------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| 18.                                                                                                                                                                                                                                                                                                                                                                                     | II A1 | Voda<br>Water | Određivanje metala<br>Determination of metals                        | ICP –MS | Prema popisu metoda dostupnom na<br>www.stampar.hr<br>According the list of methods available on <a href="http://www.stampar.hr">www.stampar.hr</a> |
| 19.                                                                                                                                                                                                                                                                                                                                                                                     | II A2 | Voda<br>Water | Određivanje otopljenih aniona<br>Determination of dissolved anions   | IC      | HRN EN ISO 10304-1:2009<br>(ISO 10304-1:2007,<br>EN ISO 10304-1:2009)                                                                               |
| 20.                                                                                                                                                                                                                                                                                                                                                                                     | II A3 | Voda<br>Water | Određivanje otopljenih kationa<br>Determination of dissolved cations | IC      | HRN EN ISO 14911:2001<br>(ISO 14911:1998;<br>EN ISO 14911:1999)                                                                                     |

|     |         |               |                                                                                             |            |                                                                                                                                                            |
|-----|---------|---------------|---------------------------------------------------------------------------------------------|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 21. | II A4-1 | Voda<br>Water | Određivanje ostataka pesticida<br><i>Determination of pesticide residues</i>                | UPLC-MS/MS | Prema popisu metoda dostupnom na<br>www.stampar.hr<br><i>According the list of methods available on <a href="http://www.stampar.hr">www.stampar.hr</a></i> |
| 22. | II A4-2 | Voda<br>Water | Određivanje ostataka pesticida<br><i>Determination of pesticide residues</i>                | GC-ECD     | Prema popisu metoda dostupnom na<br>www.stampar.hr<br><i>According the list of methods available on <a href="http://www.stampar.hr">www.stampar.hr</a></i> |
| 23. | II A5   | Voda<br>Water | Određivanje sredstava za zaštitu bilja<br><i>Determination of Plant Protection Products</i> | HPLC       | Prema popisu metoda dostupnom na<br>www.stampar.hr<br><i>According the list of methods available on <a href="http://www.stampar.hr">www.stampar.hr</a></i> |

| <b>III - Predmeti opće uporabe</b><br>Ftalati (A), Prijelaz (otpuštanje) određenih metala (B): ICP- MS (B1), MHS (B2)<br><b>III - Objects of common use</b><br><i>Phtalates (A), Migration of certain metals (B): ICP- MS (B1) MHS (B2)</i> |          |                                                                                                           |                                                          |         |                                                                                                                                                                |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-----------------------------------------------------------------------------------------------------------|----------------------------------------------------------|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 24.                                                                                                                                                                                                                                         | III A1   | Predmeti opće uporabe<br><i>Objects of Common use</i><br>Igračke<br><i>Toys</i>                           | Određivanje ftalata<br><i>Determinstion of phtalates</i> | GC-MS   | Prema popisu metoda dostupnom na<br>www.stampar.hr<br><i>According the list of methods<br/>available on <a href="http://www.stampar.hr">www.stampar.hr</a></i> |
| 25.                                                                                                                                                                                                                                         | III B1-1 | Igračke<br><i>Toys</i>                                                                                    | Određivanje metala<br><i>Determination of metals</i>     | ICP-MS  | Prema popisu metoda dostupnom na<br>www.stampar.hr<br><i>According the list of methods<br/>available on <a href="http://www.stampar.hr">www.stampar.hr</a></i> |
| 26.                                                                                                                                                                                                                                         | III B1-2 | Materijali i predmeti koji<br>dolaze u kontakt s hranom<br><i>Food contact materials and<br/>articles</i> | Određivanje metala<br><i>Determination of metals</i>     | ICP- MS | Prema popisu metoda dostupnom na<br>www.stampar.hr<br><i>According the list of methods<br/>available on <a href="http://www.stampar.hr">www.stampar.hr</a></i> |
| 27.                                                                                                                                                                                                                                         | III B1-3 | Kozmetički proizvodi<br><i>Cosmetics</i>                                                                  | Određivanje metala<br><i>Determination of metals</i>     | ICP- MS | Prema popisu metoda dostupnom na<br>www.stampar.hr<br><i>According the list of methods<br/>available on <a href="http://www.stampar.hr">www.stampar.hr</a></i> |
| 28.                                                                                                                                                                                                                                         | III B2   | Igračke<br><i>Toys</i>                                                                                    | Određivanje žive<br><i>Determination of mercury</i>      | MHS     | Prema popisu metoda dostupnom na<br>www.stampar.hr<br><i>According the list of methods<br/>available on <a href="http://www.stampar.hr">www.stampar.hr</a></i> |

| Br.<br>No.                                                                                                                                                                                                                                                                                                                                 | Oznaka/<br>Identification | Materijali/Proizvodi<br>Materials/Products                                                                               | Vrsta ispitivanja/Svojstvo<br>Type of test/Property<br>Granica kvantifikacije/<br>Quantification limit | Tehnika /<br>Technique | Metoda ispitivanja /<br>Test method                                                                                                                    |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|--------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>IV - Otpad, voda, tlo, muljevi i eluati</b><br><b>Odabrani elementi i kontaminanti (A) Odabrani metali (A1), Odabrani anioni (A2), Ostaci pesticida (A3)</b><br><b>IV - Waste, water, soil, sludges and eluate</b><br><b>Selected elements and contaminants (A) Selected metals (A1), Selected anions (A2), Pesticide residues (A3)</b> |                           |                                                                                                                          |                                                                                                        |                        |                                                                                                                                                        |
| 29.                                                                                                                                                                                                                                                                                                                                        | IV A1                     | Tlo, mulj, kruti i tekući otpad<br>Soil, sludge, solid and liquid waste<br>Eluati tla i otpada<br>Soil and waste eluates | Određivanje metala<br>Determination of metals                                                          | AAS                    | Prema popisu metoda dostupnom na<br>www.stampar.hr<br>According the list of methods<br>available on <a href="http://www.stampar.hr">www.stampar.hr</a> |
| 30.                                                                                                                                                                                                                                                                                                                                        | IV A2                     | Eluati tla i otpada<br>Soil and waste eluates                                                                            | Određivanje otopljenih aniona<br>Determination of dissolved anions                                     | IC                     | HRN EN ISO 10304-1:2009<br>(ISO 10304-1:2007,<br>EN ISO 10304-1:2009)                                                                                  |
| 31.                                                                                                                                                                                                                                                                                                                                        | IV A3                     | Tlo<br>Soil                                                                                                              | Određivanje pesticida<br>Determination of pesticide residues                                           | GC-MS/MS               | Prema popisu metoda dostupnom na<br>www.stampar.hr<br>According the list of methods<br>available on <a href="http://www.stampar.hr">www.stampar.hr</a> |



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*)
- 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](http://www.stampar.hr)  
*The valid list of accredited methods in the flexible scope is available on [www.stampar.hr](http://www.stampar.hr)*