



Potvrda o akreditaciji Accreditation Certificate

Ovime se utvrđuje da je
This is to recognize that

Hrvatski zavod za javno zdravstvo
Služba za zdravstvenu ekologiju
Rockefellerova 7, 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 voda, hrane, dodataka prehrani, hrane za životinje,
predmeta opće uporabe, mikrobiološke čistoće objekata i
uzorkovanje voda

Testing of waters, food, food supplements, animal feeding stuffs,
objects of common use, microbiological cleanliness of facilities and
sampling of waters

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.: 1041
Klasa/Ref.No.: 383-02/18-30/030
Urbroj/Id.No.: 569-05/3-20-42
Zagreb, 2020-12-11

Akreditacija istječe-Accreditation expiry: 2023-12-05
Prva akreditacija-Initial accreditation: 2003-12-09

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



HAA

Hrvatska akreditacijska agencija
Croatian Accreditation Agency

PRILOG POTVRDI O AKREDITACIJI br: 1041

Annex to Accreditation Certificate Number:

Klasa/Ref. No.: 383-02/18-30/030

Urbroj/Id. No.: 569-05/3-20-41

Datum izdanja priloga /Annex Issued on: 2020-12-11

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Akreditacija istječe: 2023-12-05

Accreditation expiry:

Prva akreditacija: 2003-12-09

Initial accreditation:

Akreditirani laboratorij

Accredited Laboratory

Hrvatski zavod za javno zdravstvo

Služba za zdravstvenu ekologiju

Rockefellerova 7, HR-10000 Zagreb

Područje akreditacije:

Scope of Accreditation:

**Ispitivanje voda, hrane, dodataka prehrani, hrane za životinje, predmeta opće uporabe,
mikrobiološke čistoće objekata i uzorkovanje voda**

*Testing of waters, food, food supplements, animal feeding stuffs, objects of common use,
microbiological cleanliness of facilities and sampling of waters*

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

v. d. ravnateljica:

Acting Director General:

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PODRUČJE AKREDITACIJE SCOPE OF ACCREDITATION

Br. No.	Materijali/Proizvodi Materials/Products	Vrsta ispitivanja/Svojstvo Type of test/Property <i>Raspon/Range</i>	Metoda ispitivanja Test method
I. Hrana i hrana za životinje / Food and animal feeding stuff			
1.	Hrana, hrana za životinje i okolišni uzorci <i>Food, animal feeding stuff and environmental samples</i>	Horizontalna metoda za dokazivanje prisutnosti bakterije <i>Salmonella</i> spp. <i>Horizontal method for the detection of Salmonella spp.</i>	HRN EN ISO 6579-1:2017 <i>(ISO 6579-1:2017, EN ISO 6579-1:2017)</i>
2.	Bakterijska kultura <i>Bacterial culture</i>	Horizontalna metoda za dokazivanje, određivanje broja i serotipizaciju <i>Salmonella</i> spp. –3. dio: Smjernice za serotipizaciju <i>Salmonella</i> spp.	HRI CEN ISO/TR 6579-3:2014 <i>(ISO/TR 6579-3:2014; CEN ISO/TR 6579-3:2014)</i>
3.	Hrana, hrana za životinje i okolišni uzorci <i>Food, animal feeding stuff and environmental samples</i>	Horizontalna metoda za dokazivanje prisutnosti bakterije <i>Listeria monocytogenes</i> i <i>Listeria</i> spp. <i>Horizontal method for the detection of Listeria monocytogenes i Listeria spp.</i>	HRN EN ISO 11290-1:2017 <i>(ISO 11290-1:2017; EN ISO 11290-1:2017)</i>
4.	Hrana i hrana za životinje <i>Food and animal feeding stuff</i>	Metoda za dokazivanje antigena bakterije <i>Salmonella</i> spp. VIDAS® metodom <i>Method for the detection of Salmonella spp. antigen using VIDAS® method</i>	Metoda prema uputi Vitek Immuno Diagnostic Assay System (VIDAS®), bioMerieux; <i>Method according to the manual Vitek Immuno Diagnostic Assay System (VIDAS®), bioMerieux;</i> Oznaka/Code: P-MIK-12 Izdanje/Edition: 2/0 Datum/Date: 11.04.2019.
5.	Hrana i hrana za životinje <i>Food and animal feeding stuff</i>	Metoda za dokazivanje antigena bakterije <i>Listeria monocytogenes</i> VIDAS® metodom <i>Method for the detection of Listeria monocytogenes antigen using VIDAS® method</i>	Metoda prema uputi Vitek Immuno Diagnostic Assay System (VIDAS®), bioMerieux; <i>Method according to the manual Vitek Immuno Diagnostic Assay System (VIDAS®), bioMerieux;</i> Oznaka/Code: P-MIK-13 Izdanje/Edition: 2/0 Datum/Date: 11.04.2019.

Br. No.	Materijali/Proizvodi Materials/Products	Vrsta ispitivanja/Svojstvo Type of test/Property <i>Raspon/Range</i>	Metoda ispitivanja Test method
6.	Hrana, hrana za životinje i okolišni uzorci <i>Food, animal feeding stuff and environmental samples</i>	Metoda za dokazivanje stafilokoknog enterotoksina VIDAS® metodom <i>Method for the detection of staphylococcal enterotoxins using VIDAS® method</i>	HRN EN ISO 19020:2017 (ISO 19020:2017; EN ISO 19020:2017)
7.	Hrana i hrana za životinje <i>Food and animal feeding stuff</i>	Horizontalna metoda za dokazivanje prisutnosti i određivanje broja koagulaza pozitivnih stafilokoka (<i>Staphylococcus aureus</i> i druge vrste) <i>Horizontal method for the detection and enumeration of coagulase-positive staphylococcus (Staphylococcus aureus and other species)</i>	HRN EN ISO 6888-1:2004/A2:2019 (ISO 6888-1:1999/Amd 2:2018; EN ISO 6888-1:1999/A2:2018)
8.	Hrana i hrana za životinje <i>Food and animal feeding stuff</i>	Horizontalna metoda za brojenje koagulaza pozitivnih stafilokoka (<i>Staphylococcus aureus</i> i druge vrste)- 3. dio: Izolacija i MPN postupak za male brojeve <i>Horizontal method for the detection and enumeration of coagulase-positive staphylococcus (Staphylococcus aureus and other species)</i>	HRN EN ISO 6888-3:2004/Ispr.1:2008 (ISO 6888-3:2003/AC:2005; EN ISO 6888-3:2003/AC:2005)
9.	Hrana, hrana za životinje i okolišni uzorci <i>Food, animal feeding stuff and environmental samples</i>	Horizontalna metoda za određivanje broja bakterija iz porodice <i>Enterobacteriaceae</i> <i>Horizontal method for the enumeration of Enterobacteriaceae</i>	HRN EN ISO 21528-2:2017 (ISO 21528-2:2017; EN ISO 21528-2:2017)
10.	Hrana, hrana za životinje i okolišni uzorci <i>Food, animal feeding stuff and environmental samples</i>	Horizontalna metoda za dokazivanje prisutnosti bakterija iz porodice <i>Enterobacteriaceae</i> <i>Horizontal method for the detection of Enterobacteriaceae</i>	HRN EN ISO 21528-1:2017 (ISO 21528-1:2017; EN ISO 21528-1:2017)
11.	Hrana, hrana za životinje i okolišni uzorci <i>Food, animal feeding stuff and environmental samples</i>	Horizontalna metoda za određivanje broja bakterije <i>Listeria monocytogenes</i> i <i>Listeria</i> spp. <i>Horizontal method for the enumeration of Listeria monocytogenes i Listeria spp.</i>	HRN EN ISO 11290-2:2017 (EN ISO 11290-2:2017 ; ISO 11290-2:2017)

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12.	Hrana i hrana za životinje <i>Food and animal feeding stuff</i>	Horizontalna metoda za dokazivanje prisutnosti i određivanje broja bakterije <i>Bacillus cereus</i> <i>Horizontal method for the detection and enumeration of Bacillus cereus</i>	HRN EN ISO 7932:2005 (ISO 7932:2004; EN ISO 7932:2004)
13.	Hrana, hrana za životinje i okolišni uzorci <i>Food, animal feeding stuff and environmental samples</i>	Horizontalna metoda za dokazivanje prisutnosti bakterije <i>Campylobacter</i> spp. <i>Horizontal method for detection of Campylobacter spp.</i>	HRN EN ISO 10272-1:2017 (ISO 10272-1:2017; EN ISO 10272-1:2017)
14.	Hrana, hrana za životinje i okolišni uzorci <i>Food, animal feeding stuff and environmental samples</i>	Dokazivanje prisutnosti bakterije <i>Cronobacter</i> spp. <i>Detection of Cronobacter spp.</i>	HRN EN ISO 22964:2017 ISO 22964:2017; EN ISO 22964:2017)
15.	Hrana i hrana za životinje <i>Food and animal feeding stuff</i>	Horizontalna metoda za određivanje broja mikroorganizama - Tehnika brojenja kolonija na 30 °C <i>Horizontal method for the enumeration of microorganisms - Colony count technique at 30°C</i>	HRN EN ISO 4833-1:2013 (ISO 4833-1:2013; EN ISO 4833-1:2013) HRN EN ISO 4833-2:2013 (ISO 4833-2:2013; EN ISO 4833-2:2013) HRN EN ISO 4833-2:2013/Ispr.1:2014 (ISO 4833-2:2013/Cor.1:2014; EN ISO 4833-2:2013/Cor.1:2014;)
16.	Hrana i hrana za životinje <i>Food and animal feeding stuff</i>	Horizontalna metoda za određivanje broja kvasaca i plijesni <i>Enumeration of yeast and moulds</i>	HRN ISO 21527-1:2012 (ISO 21527-1:2008) HRN ISO 21527-2:2012 (ISO 21527-2:2008)
17.	Hrana i hrana za životinje <i>Food and animal feeding stuff</i>	Vodoravni postupak određivanja broja beta-glukuronidasa pozitivne bakterije <i>Escherichia coli</i> –brojenje kolonija pri 44°C <i>Horizontal method for the enumeration of betaglucuronidase-positive Escherichia coli - Colonycount technique at 44 °C</i>	HRN ISO 16649-2:2001 (ISO 16649-2:2001)

Br. No.	Materijali/Proizvodi Materials/Products	Vrsta ispitivanja/Svojstvo Type of test/Property <i>Raspon/Range</i>	Metoda ispitivanja Test method
18.	Hrana i hrana za životinje <i>Food and animal feeding stuff</i>	Horizontalna metoda za određivanje broja sulfitreducirajućih bakterija u anaerobnim uvjetima <i>Horizontal method for the enumeration of sulfitereducing bacteria growing under anaerobic conditions</i>	HRN ISO 15213:2004 (ISO 15213:2003)
19.	Mikrobiološke hranjive podloge <i>Microbiological culture media</i>	Ispitivanje fizikalno-kemijskih (boja, homogenost, konzistencija agara i pH vrijednost) i mikrobioloških (produktivnost, selektivnost, specifičnost i sterilnost) svojstava <i>Testing of physical and chemical (color, homogeneity, consistency of the agar and pH value) and the microbial (productivity, selectivity, specificity and sterility) properties</i>	HRN EN ISO 11133:2014/A1:2018 (ISO 11133:2014/Amd 1:2018; EN ISO 11133:2014/A1:2018)
20.	Okolišni uzorci <i>Environmental samples</i>	Horizontalna metoda za uzimanje uzoraka površina uporabom brisa <i>Horizontal methods for sampling techniques from surfaces using swab</i>	HRN EN ISO 18593:2019 (ISO 18593:2018; EN ISO 18593:2018)
21.	Bezalkoholna osvježavajuća pića <i>Non-alcoholic beverages</i>	Određivanje bojila E102, E104, E110, E122, E123, E124, E129 i E133 HPLC metodom <i>Determination of colours - E102, E104, E110, E122, E123, E124, E129 I E133 HPLC method</i>	NMKL No 130:1989.
22.	Bezalkoholna osvježavajuća pića i dodaci prehrani <i>Non-alcoholic beverages and nutritional supplements</i>	Određivanje sadržaja sladila ciklamata metodom tekućinske kromatografije visoke djelotvornosti <i>Determination of cyclamate - High performance liquid chromatographic method</i>	Vlastita metoda <i>In-house method</i> Oznaka/Code: P-ADIT-7 Izdanje/Edition: 2/6 Datum/Date: 10.03.2017. modificirana/modified HRN EN 12857:2000 (EN 12857:1999)
23.	Bezalkoholna osvježavajuća pića i dodaci prehrani <i>Non-alcoholic beverages and nutritional supplements</i>	Određivanje acesulfama-K i saharina metodom tekućinske kromatografije visoke djelotvornosti <i>Determination of acesulfame-K and saccharin – High performance liquid chromatographic method</i>	HRN EN 12856:2000 (EN 12856:1999)

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24.	Bezalkoholna osvježavajuća pića i dodaci prehrani <i>Non-alcoholic beverages and nutritional supplements</i>	Određivanje aspartama metodom tekućinske kromatografije visoke djelotvornosti <i>Determination of aspartame - High performance liquid chromatographic method</i>	Vlastita metoda <i>In-house method</i> Oznaka/Code: P-ADIT-9 Izdanje/Edition: 2/5 Datum/Date: 10.03.2017. modificirana/modified HRN EN 12856:2000 (EN 12856:1999)
25.	Hrana i dodaci prehrani <i>Food and nutritional supplements</i>	Određivanje sorbinske i benzojeve kiseline metodom tekućinske kromatografije visoke djelotvornosti <i>Determination of benzoic and sorbic acid – High performance liquid chromatographic method</i>	Vlastita metoda <i>In-house method</i> Oznaka/Code: P-ADIT-10 Izdanje/Edition: 2/1 Datum/Date: 09.04.2015.
26.	Povrće, proizvodi od povrća i dječja hrana na bazi povrća <i>Vegetables, vegetables product and vegetable baby food</i>	Određivanje nitrata metodom tekućinske kromatografije visoke djelotvornosti <i>Determination of nitrates - High performance liquid chromatographic method</i>	Vlastita metoda <i>In-house method</i> Oznaka/Code: P-ADIT-11 Izdanje/Edition: 1/5 Datum/Date: 06.12.2019.
27.	Vino, riba i proizvodi ribarstva i suho voće <i>Wine, fish and fishery products and dried fruits</i>	Određivanje sumporovog dioksida titrimetrijski uz prethodnu destilaciju <i>Determination of sulphur dioxide – Titrimetric method with prior distillation</i>	Vlastita metoda <i>In-house method</i> Oznaka/Code: P-ADIT-12 Izdanje/Edition: 1/1 Datum/Date: 31.07.2017.
28.	Meso, mesni proizvodi i smjese aditiva <i>Meat, meat products and mixtures of additives</i>	Određivanje sadržaja ukupnih fosfata i polifosfata spektrofotometrijskom metodom/ <i>Determination of total phosphate and polyphosphate content by spectrophotometric method</i>	Vlastita metoda <i>In-house method</i> Oznaka/Code: P-ADIT-13 Izdanje/Edition: 1/0 Datum/Date: 23.10.2019.
29.	Meso, mesni proizvodi i smjese aditiva <i>Meat, meat products and mixtures of additives</i>	Određivanje nitrita spektrofotometrijskom metodom/ <i>Determination of nitrite by spectrophotometric method</i>	Vlastita metoda <i>In-house method</i> Oznaka/Code: P-ADIT-14 Izdanje/Edition: 1/0 Datum/Date: 23.10.2019.

Br. No.	Materijali/Proizvodi Materials/Products	Vrsta ispitivanja/Svojstvo Type of test/Property Raspon/Range	Metoda ispitivanja Test method
30.	Čaj, instant čajeви, dodaci prehrani u čvrstom obliku i bezalkoholna osvježavajuća pića <i>Tea, instant tea, food supplements in the form of solid and soft drinks</i>	Određivanje ukupne količine kofeina HPLC metodom <i>Determination of caffeine content by HPLC method</i>	Vlastita metoda <i>In-house method</i> Oznaka/Code: P-DPBAT-4 Izdanje/Edition: 1/2 Datum/Date: 12.04.2017. modificirana/modified HRN ISO 10727:2017 (ISO 10727:2002)
31.	Dodaci prehrani i dječja hrana <i>Food supplements and baby food</i>	Određivanje vitamina C HPLC metodom <i>Determination of vitamin C by HPLC method</i>	Vlastita metoda <i>In-house method</i> Oznaka/Code: P-DPBAT-8 Izdanje/Edition: 1/2 Datum/Date: 01.07.2019.
32.	Dodaci prehrani <i>Food supplements</i>	Određivanje vitamina B2 tekućinskom kromatografijom visokog učinka <i>Determination of vitamin B2 by high performance liquid chromatography</i>	HRN EN 14152:2014 (EN 14152:2014)
33.	Dodaci prehrani u praškastom obliku <i>Powdered food supplements</i>	Određivanje vitamina E tekućinskom kromatografijom visoke djelotvornosti – Mjerenje α -, β -, γ - i δ -tokoferola (Određivanje alfa tokoferola i tokoferol acetata) <i>Determination of vitamin E by high performance liquid chromatography – Measurement of α-, β-, γ- i δ-tocopherol (determination of tocopherol and tocopherol acetate)</i>	Vlastita metoda <i>In-house method</i> Oznaka/Code: P-DPBAT-9 Izdanje/Edition: 1/1 Datum/Date: 01.04.2016 modificirana/modified HRN EN 12822:2014 (EN 12822:2014)
34.	Izotonični napici <i>Isotonic aqueous solutions (beverages)</i>	Određivanje ukupne osmolalnosti u izotoničkim otopinama krioskopskim osmometrom <i>Determination of total osmolality in isotonic aqueous solution (beverages) by cryoscopic osmometer</i> Osmolalitet/Osmolality 270-330 mOsm/kg	Vlastita metoda <i>In-house method</i> Oznaka/Code: P-DPBAT-10 Izdanje/Edition: 1/1 Datum/Date: 01.04.2016.
35.	Hrana i dodaci prehrani <i>Food and food supplements</i>	Određivanje glutena u hrani i dodacima prehrani <i>Determination of gluten in food and food supplements</i>	Vlastita metoda <i>In-house method</i> Oznaka/Code: P-DPBAT-11 Izdanje/Edition: 1/1 Datum/Date: 20.07.2018.

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36.	Hrana i dodaci prehrani <i>Food and food supplements</i>	Određivanje vitamina B1 tekućinskom kromatografijom visokog učinka <i>Determination of vitamin B1 by high performance liquid chromatography</i>	HRN EN 14122:2014 <i>(EN 14122:2014)</i>
37.	Hrana i dodaci prehrani <i>Food and food supplements</i>	Kvantitativno određivanje folne kiseline imunoenzimatskim testom <i>Enzyme immunoassay for quantitative determination of folic acid</i>	Vlastita metoda <i>In-house method</i> Oznaka/Code: P-DPBAT-15 Izdanje/Edition: 1/0 Datum/Date: 27.02.2017.
38.	Hrana i dodaci prehrani <i>Food and food supplements</i>	Određivanje vitamina B6 tekućinskom kromatografijom visokog učinka <i>Determination of vitamin B6 by high performance liquid chromatography</i>	HRN EN 14164:2014 <i>(EN 14164:2014)</i>
39.	Hrana i dodaci prehrani <i>Food and food supplements</i>	Određivanje niacina tekućinskom kromatografijom visokog učinka <i>Determination of niacin by high performance liquid chromatography</i>	HRN EN 15652:2010 <i>(EN 15652:2009)</i>
40.	Voćni sokovi i nektari, sirupi i osvježavajuća pića <i>Fruit juices and nectars, syrups and beverages</i>	Određivanje fruktoze, glukoze i saharoze metodom tekućinske kromatografije visoke djelotvornosti (HPLC) <i>Determination of fructose, glucose and sucrose by high performance liquid chromatography (HPLC)</i>	Vlastita metoda <i>In-house method</i> Oznaka/Code: P-KVH-5 Izdanje/Edition: 2/2 Datum/Date: 16.03.2017.
41.	Hrana osim svježeg mlijeka <i>Food except fresh milk</i>	Određivanje ukupnog dušika koristeći Dumas metodu <i>Determination of the total nitrogen content according to the Dumas principle</i>	Vlastita metoda/ <i>In-house method</i> Oznaka/ Code: P-KVH-6 Izdanje/Edition: 2/0 Datum/Date: 15.01.2019.
42.	Hrana <i>Food</i>	Određivanje ukupne masti metodom po M. Weibll-u i W. Stoldt-u <i>Determination of total fat method by M. Weibll and W. Stoldt</i>	Vlastita metoda <i>In-house method</i> Oznaka/Code: P-KVH-7 Izdanje/Edition: 1/2 Datum/Date: 03.06.2019.
43.	Hrana <i>Food</i>	Određivanje suhe tvari i vode halogenim vlagomjerom Mettler Toledo HR83 <i>Determination of moisture and dry matter by Mettler Toledo moisture Analyzer HR83</i>	Vlastita metoda <i>In-house method</i> Oznaka/Code: P-KVH-9 Izdanje/Edition: 1/3 Datum/Date: 16.03.2017.

Br. No.	Materijali/Proizvodi Materials/Products	Vrsta ispitivanja/Svojstvo Type of test/Property Raspon/Range	Metoda ispitivanja Test method
44.	Hrana Food	Određivanje ukupnog pepela direktnim spaljivanjem na 550°C <i>Determination of total ash by direct burning at 550 ° C</i>	Vlastita metoda <i>In-house method</i> Oznaka/Code: P-KVH-10 Izdanje/Edition: 1/2 Datum/Date: 03.06.2019
45.	Kikiriki i proizvodi od kikirikija (kikiriki paste), suho voće, žitarice, orašasti plodovi i začini <i>Peanuts and peanuts paste, dried fruit, cereals, nuts, spices</i>	Određivanje aflatoksina B1, B2, G1 i G2 i ukupnih aflatoksina HPLC metodom s postkolumnskom derivatizacijom i čišćenjem preko imunoafinitetnih kolona <i>Determination of aflatoxins B1, B2, G1, G2 and total aflatoxins by HPLC with post column derivatization and immunoaffinity column cleanup</i>	Vlastita metoda <i>In-house method</i> Oznaka/Code: P-OMK-2 Izdanje/Edition: 3/4 21.3.2016. modificirana/modified HRN EN 14123:2008 (EN 14123:2007)
46.	Žitarice, pržena kava, začini, vino <i>Cereals, roasted coffee, spices, wine</i>	Određivanje okratoksina A metodom tekućinske kromatografije visokog učinka (HPLC) s čišćenjem na imunoafinitetnoj koloni <i>Determination of ochratoxin A by HPLC method with immunoaffinity column clean up</i>	Vlastita metoda <i>In-house method</i> Oznaka/Code: P-OMK-3 Izdanje/Edition: 1/4 9.3.2017. modificirana/modified HRN EN 14132:2010 EN 14132:2009.
47.	Žitarice, dodaci prehrani na bazi crvene riže fermentirane crvenim kvascem <i>Monascus purpureus Cereals, food supplements based on rice fermented with red yeast Monascus purpureus</i>	Određivanje citrinina metodom tekućinske kromatografije visokog učinka (HPLC) s čišćenjem na imunoafinitetnoj koloni <i>Determination of citrinin by HPLC method with immunoaffinity column clean up</i>	Vlastita metoda <i>In-house method</i> Oznaka/Code: P-OMK-6 Izdanje/Edition: 1/1 Datum/Date: 10.05.2019.
48.	Riba i proizvodi od ribe <i>Fish and fishery product</i>	Određivanje histamina u ribi i proizvodima od ribe - metodom HPLC <i>Determination of histamine in fish and fishery product by HPLC</i>	HRN EN ISO 19343:2017 (ISO 19343:2017; EN ISO 19343:2017)

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49.	Hrana biljnog porijekla Voće i povrće Visok udio vode Food of plant origin Fruit and vegetables High water content	<table><tr><td></td><td colspan="2">QuEChERS</td></tr><tr><td>ID#</td><td>GC MSMS</td><td>LC MSMS</td></tr><tr><td>1</td><td>2- fenilfenol/2-phenylphenol</td><td>2,4-D /2,4-D</td></tr><tr><td>2</td><td>Acetoklor/acetochlor</td><td>Abamektin B1a/Abamectin B1a</td></tr><tr><td>3</td><td>Aldrin/aldrin</td><td>Abamektin B1b/Abamectin B1b</td></tr><tr><td>4</td><td>Atrazin/atrazine</td><td>Acefat/acephat</td></tr><tr><td>5</td><td>Azinfos-etil/azynphos-ethyl</td><td>Acetamiprid/acetamiprid</td></tr><tr><td>6</td><td>Bifenil/biphenyl</td><td>Aldikarb/aldicarb</td></tr><tr><td>7</td><td>Bifentrin/byphenrin</td><td>Aldikarb-sulfoksid/aldicarb-sulphoxid</td></tr><tr><td>8</td><td>Bitertanol/bitertanol</td><td>Aldikarb-sulfon/aldicarb-sulphone</td></tr><tr><td>9</td><td>Boskalid/boscalid</td><td>Amitraz/amitraz</td></tr><tr><td>10</td><td>Bromofos-etil/bromophos-ethyl</td><td>Azinfos metil/azynphos methyl</td></tr><tr><td>11</td><td>Bromofos-metil/bromophos-methyl</td><td>Azoksistrobin/azoxystrobin</td></tr><tr><td>12</td><td>Bromopropilat/bromopropilate</td><td>Benfurakarb/benfuracarb</td></tr><tr><td>13</td><td>Bupirimat/bupirimate</td><td>Bromokonazole/bromoconazole</td></tr><tr><td>14</td><td>Buprofezin/buprofezin</td><td>Cifenotrin/cyphenotrin</td></tr><tr><td>15</td><td>Ciflutrin I/cyfluthrin I</td><td>Cimoksanil/cymoxanil</td></tr><tr><td>16</td><td>Ciflutrin II/cyfluthrin II</td><td>Ciprokonazol/cyproconazole</td></tr><tr><td>17</td><td>Ciflutrin III/cyfluthrin III</td><td>Ciromazin/cyromazine</td></tr><tr><td>18</td><td>Ciflutrin IV/cyfluthrin IV</td><td>Demeton-S-metil sulfon/demeton-s-methyl sulfone</td></tr><tr><td>19</td><td>Cipermetrin II/cypermethrin II</td><td>Dietofenkarb/diethofencarb</td></tr><tr><td>20</td><td>Cipermetrin III/cypermethrin III</td><td>Difenokonazol/diphenconazole</td></tr><tr><td>21</td><td>Cipermetrin IV/cypermethrin IV</td><td>Diffubenzuron/diflubenzurone</td></tr><tr><td>22</td><td>Cipermetrin/cypermethrin I</td><td>Diklofluaniid/diclofluaniid</td></tr><tr><td>23</td><td>Ciprodinil/cyprodinil</td><td>Dikloran/dicloran</td></tr><tr><td>24</td><td>DDD-p,p/DDD-p,p</td><td>Dikofol/dicofol</td></tr><tr><td>25</td><td>DDE-p,p/DDE-p,p</td><td>Dimetoat/dimethoate</td></tr><tr><td>26</td><td>DDT-o,p/DDT-o,p</td><td>Dimetomorf/dimethomorph</td></tr><tr><td>27</td><td>DDT-p,p/DDT-p,p</td><td>Dinikonazol/diniconazole</td></tr><tr><td>28</td><td>Deltametrin-cis/deltamethrin-cis</td><td>Ditianon/dithianon</td></tr><tr><td>29</td><td>Deltametrin-trans/deltamethrin-trans</td><td>Dodin/dodine</td></tr><tr><td>30</td><td>Dialifos/dialiphos</td><td>Epoksikonazol/epoxiconazole</td></tr><tr><td>31</td><td>Diazinon/diazinon</td><td>Etimol/ethiomol</td></tr><tr><td>32</td><td>Dieldrin/dieldrin</td><td>Etofenproks/ethofenprox</td></tr><tr><td>33</td><td>Diklofluaniid/diclofluaniid</td><td>Etoprofos/ethoprofos</td></tr><tr><td>34</td><td>Diklorvos/dichlorvos</td><td>Famoksadon/famoxadon</td></tr><tr><td>35</td><td>Dikrotofos/dicrotophos</td><td>Fenamidon/fenamidone</td></tr><tr><td>36</td><td>Endosulfan-alfa /Endosulphane-alpha</td><td>Fenamifos sulfon/fenamyphos sulfone</td></tr><tr><td>37</td><td>Endosulfan-beta/Endosulphan-beta</td><td>Fenamifos/phenamifos</td></tr><tr><td>38</td><td>Endosulfan-sulfat/endosulfan sulphate</td><td>Fenbukonazol/fenbuconazole</td></tr><tr><td>39</td><td>Endrin/endrin</td><td>Fenheksamid/fenhexamid</td></tr><tr><td>40</td><td>EPN/EPN</td><td>Fenoksikarb/fenoxycarb</td></tr><tr><td>41</td><td>Esfenvalerat/esfenvalerate</td><td>Fenpiroksimat/fenpyroximate</td></tr><tr><td>42</td><td>Etion/ethion</td><td>Fenpropimorf/phenpropymorph</td></tr><tr><td>43</td><td>Fenarimol/fenarimol</td><td>Fention sulfoksid/fenthion sulfoxide</td></tr><tr><td>44</td><td>Fenazakvin/fenazaquin</td><td>Fention-okson-sulfoksid/fenthion-oxon-sulfoxide</td></tr><tr><td>45</td><td>Fenitrotrion/fenitrothion</td><td>Fipronil/fypronil</td></tr></table>		QuEChERS		ID#	GC MSMS	LC MSMS	1	2- fenilfenol/2-phenylphenol	2,4-D /2,4-D	2	Acetoklor/acetochlor	Abamektin B1a/Abamectin 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Hrana biljnog porijekla Voće i povrće Visok udio kiseline i vode <i>Food of plant origin Fruit and vegetables High acid and water content</i>	<table><tr><th colspan="3">QuEChERS</th></tr><tr><th>ID#</th><th>GC MSMS</th><th>LC MSMS</th></tr><tr><td>1</td><td>2- fenilfenol/2-phenylphenol</td><td>2,4-D /2,4-D</td></tr><tr><td>2</td><td>Acetoklor/acetochlor</td><td>Abamektin B1a/Abamectin B1a</td></tr><tr><td>3</td><td>Aldrin/aldrin</td><td>Abamektin B1b/Abamectin B1b</td></tr><tr><td>4</td><td>Atrazin/atrazine</td><td>Acefat/acephat</td></tr><tr><td>5</td><td>Azinfos-etil/azynphos-ethyl</td><td>Acetamidrid/acetamidrid</td></tr><tr><td>6</td><td>Bifenil/biphenyl</td><td>Aldikarb/aldicarb</td></tr><tr><td>7</td><td>Bifentrin/byphenrin</td><td>Aldikarb-sulfoksid/aldicarb-sulphoxid</td></tr><tr><td>8</td><td>Bitertanol/bitertanol</td><td>Aldikarb-sulfon/aldicarb-sulphone</td></tr><tr><td>9</td><td>Boskalid/boscalid</td><td>Amitraz/amitraz</td></tr><tr><td>10</td><td>Bromofos-etil/bromophos-ethyl</td><td>Azinfos metil/azynphos methyl</td></tr><tr><td>11</td><td>Bromofos-metil/bromophos-methyl</td><td>Azoksistrobin/azoxystrobin</td></tr><tr><td>12</td><td>Bromopropilat/bromopropilate</td><td>Benfurakarb/benfuracarb</td></tr><tr><td>13</td><td>Bupirimat/bupirimate</td><td>Bromokonazole/bromoconazole</td></tr><tr><td>14</td><td>Buprofezin/buprofezin</td><td>Cifenotrin/cyphenotrin</td></tr><tr><td>15</td><td>Ciflutrin I/cyfluthrin 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/carbaryl	65	HCH-delta/HCH-delta	Karbendazim/carbenzamide	66	HCH-gama/HCH-gama (Lindan/lindane)	Karbofuran/carbofuran	67	Heksaklorbenzen HCB/hexachorobenzene HCB	Karbosulfan/carbosulphan	68	Heksakonazol/hexaconasol	Klofentezin/chlophentezin	69	Heptaklor/heptachlor	Klorantraniliprol/chlorantraniliprol	70	Heptaklorepoksidi-cis/heptachlorepoxyde-cis	Klotianidin/clothianidin	71	Heptaklorepoksidi-trans/heptachlorepoxyde-trans	Krezoksim-metil/kresoxym-methyl	72	Heptanofos/heptenophos	Kvinoksifen/qinoxyfen	73	Imazalil/imazalil	Linuron/linuron	74	Iprodion/iprodione	Lufenuron/lufenuron	75	Izofenofos/isophenphos	Malation/malathion	76	Izoprokarb/isoproc carb	Mandipropamid/mandipropamid	77	Kaptan/captan	Mepanipirim/mepanipyram	78	Klordan-cis/chlordan-cis	Meptildinokap/meptyldinicap	79	Klordan-trans/chlordan-trans	Metalaksil/metalaxyl	80	Klorfenapir/chlorfenapyr	Metamidofos/methamidophos	81	Klorfenvinfos/chlorfenvinphos	Metbromuron/metbromuron	82	Klormefos/chlormephos	Metiokarb sulfoksid/methiocarb 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51.	Hrana biljnog porijekla Žitarice Visok udio škroba i/ili proteina i niski udio vode i masti Food of plant origin Cereals High starch and/or protein content and low water and fat content	<table><tr><td></td><td colspan="2">QuEChERS</td></tr><tr><td>ID#</td><td>GC MSMS</td><td>LC MSMS</td></tr><tr><td>1</td><td>2- fenilfenol/2-phenylphenol</td><td>2,4-D /2,4-D</td></tr><tr><td>2</td><td>Acetoklor/acetochlor</td><td>Abamektin B1a/Abamectin B1a</td></tr><tr><td>3</td><td>Aldrin/aldrin</td><td>Acefat/acephat</td></tr><tr><td>4</td><td>Atrazin/atrazine</td><td>Acetamiprid/acetamiprid</td></tr><tr><td>5</td><td>Bifenil/biphenyl</td><td>Aldikarb/aldicarb</td></tr><tr><td>6</td><td>Bifentrin/byphenrin</td><td>Aldikarb-sulfoksid/aldicarb-sulphoxid</td></tr><tr><td>7</td><td>Bitertanol/bitertanol</td><td>Aldikarb-sulfon/aldicarb-sulphone</td></tr><tr><td>8</td><td>Boskalid/boscalid</td><td>Amitraz/amitraz</td></tr><tr><td>9</td><td>Bromofos-etil/bromophos-ethyl</td><td>Azinfos metil/azynphos methyl</td></tr><tr><td>10</td><td>Bromofos-metil/bromophos-methyl</td><td>Azinfos-etil/azynphos-ethyl</td></tr><tr><td>11</td><td>Bromopropilat/bromopropilate</td><td>Azoksistrobin/azoxystrobin</td></tr><tr><td>12</td><td>Bupirimat/bupirimate</td><td>Benfurakarb/benfuracarb</td></tr><tr><td>13</td><td>Ciflutrin I/cyfluthrin I</td><td>Bromokonazole/bromoconazole</td></tr><tr><td>14</td><td>Ciflutrin II/cyfluthrin II</td><td>Cimoksaniil/cymoxanil</td></tr><tr><td>15</td><td>Ciflutrin III/cyfluthrin III</td><td>Ciprokonazol/cyproconazole</td></tr><tr><td>16</td><td>Ciflutrin IV/cyfluthrin IV</td><td>Ciromazin/cyromazine</td></tr><tr><td>17</td><td>Cipermetrin II/cypermethrin II</td><td>Demeton-S-metil sulfon/dem-S-methyl sulfone</td></tr><tr><td>18</td><td>Cipermetrin III/cypermethrin III</td><td>Dietofenkarb/diethofencarb</td></tr><tr><td>19</td><td>Cipermetrin IV/cypermethrin IV</td><td>Difenokonazol/diphenconazole</td></tr><tr><td>20</td><td>Cipermetrin/cypermethrin I</td><td>Diiflubenzuron/diflubenzurone</td></tr><tr><td>21</td><td>Ciprodinil/cyprodinil</td><td>Dikofol/dicofol</td></tr><tr><td>22</td><td>DDD-p,p/DDD-p,p</td><td>Dimetoat/dimethoate</td></tr><tr><td>23</td><td>DDE-p,p/DDE-p,p</td><td>Dimetomorf/dimethomorph</td></tr><tr><td>24</td><td>DDT-o,p/DDT-o,p</td><td>Dinikonazol/diniconazole</td></tr><tr><td>25</td><td>DDT-p,p/DDT-p,p</td><td>Dinoterb/dinoterb</td></tr><tr><td>26</td><td>Deltametrin-cis/deltamethrin-cis</td><td>Diuron/diuron</td></tr><tr><td>27</td><td>Deltametrin-trans/deltamethrin-trans</td><td>Dodin/dodine</td></tr><tr><td>28</td><td>Dialifos/dialiphos</td><td>Epoksikonazol/epoxiconazole</td></tr><tr><td>29</td><td>Diazinon/diazinin</td><td>Etionfenkarb-sulfoksid/Ethiofencarb sulfoxide</td></tr><tr><td>30</td><td>Dieldrin/dieldrin</td><td>Etiromol/ethiromol</td></tr><tr><td>31</td><td>Difenilamin/difenilamine</td><td>Etofenproks/ethofenprox</td></tr><tr><td>32</td><td>Diklorvos/dichlorvos</td><td>Etoprofos/ethoprofos</td></tr><tr><td>33</td><td>Endosulfan-alfa /Endosulphane-alpha</td><td>Famoksadon/famaoxodon</td></tr><tr><td>34</td><td>Endosulfan-beta/Endosulphan-beta</td><td>Fenamidon/fenamidone</td></tr><tr><td>35</td><td>Endosulfan-sulfat/endosulfan sulphate</td><td>Fenamifos sulfon/fenamiphos 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/HCH-alpha</td><td>Imazalil/imazalil</td></tr><tr><td>60</td><td>HCH-beta/HCH-beta</td><td>Imidaklopid/imidaclopid</td></tr><tr><td>61</td><td>HCH-delta/HCH-delta</td><td>Indoksakarb/indoxacarb</td></tr><tr><td>62</td><td>HCH-gama/HCH-gama (Lindan/lindane)</td><td>Iprovalikarb/iprovalicarb</td></tr><tr><td>63</td><td>Heksaklorbenzen HCB/hexachlorobenzene HCB</td><td>Isoproturon/isoproturon</td></tr><tr><td>64</td><td>Heptaklor/heptachlor</td><td>Izofenfos-metil/isophenphos-methyl</td></tr><tr><td>65</td><td>Heptaklorepoksidi trans/heptachlorepoxyde-trans</td><td>Izokarbifos/isocarbophos</td></tr><tr><td>66</td><td>Heptaklorepoksidi cis/heptachlorepoxyde-cis</td><td>Izoprokarb/isoprocarb</td></tr><tr><td>67</td><td>Heptanofos/heptenophos</td><td>Karbaril 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129	/	Zoksamid/zoxamid																																																																																																																												

Br. No.	Materijali/Proizvodi Materials/Products	Vrsta ispitivanja/Svojstvo Type of test/Property Raspon/Range	Metoda ispitivanja Test method
52.	Hrana biljnog porijekla (osim žitarica) Foods of plant origin (except cereals)	Određivanje perklorata u hrani biljnog porijekla jednom metodom Single Method Perchlorate Determination in food of plant origin	Vlastita metoda In-house method Oznaka/Code: P-PEST-9 Izdanje/ Edition: 1/2 11.02.2018. modificirana/modified QuPPe Method Version 9.3, Method 1.4
53.	Hrana i hrana za životinje Food and animal feeding stuff	Izolacija ukupne DNA iz hrane pomoću GENESpin kita/ Isolation of genomic DNA from food using GENESpin kit	Vlastita metoda In-house method Oznaka/Code: P-GMO-5 Izdanje/ Edition: 2/2 Datum/ Date: 28.12.2017.
II. Vode/Waters			
54.	Prirodne mineralne, prirodne izvorske, stolne vode, voda za ljudsku potrošnju, podzemna voda, površinska voda voda za kupanje, bazenska voda, voda za hemodijalizu i otpadna voda Natural mineral, natural spring, table water, water for human consumption, ground water, surface water bathing water, pool water, water for hemodialysis and waste water	Određivanje pH vrijednosti Determination of pH 2 pH –12 pH	HRN EN ISO 10523:2012 (ISO 10523:2008, ISO 10523:2012)

Br. No.	Materijali/Proizvodi Materials/Products	Vrsta ispitivanja/Svojstvo Type of test/Property Raspon/Range	Metoda ispitivanja Test method																					
55.	Prirodne mineralne, prirodne izvorske, stolne vode, voda za ljudsku potrošnju, podzemna voda, voda za kupanje, voda za hemodijalizu i bazenska voda Natural mineral, natural spring, table water, water for human consumption, ground water, bathing water, water for hemodialysis and pool water	Određivanje električne vodljivosti Determination of electrical conductivity 1 μS/cm – 2 S/cm	HRN EN 27888:2008 (ISO 7888:1985, EN 27888:1993)																					
56.	Prirodne mineralne, prirodne izvorske, stolne vode, voda za ljudsku potrošnju, podzemna voda, voda za kupanje, bazenska voda, voda za hemodijalizu* i otpadna voda Natural mineral, natural spring, table water, water for human consumption, ground water, bathing water, pool water, water for hemodialysis and waste water	Određivanje otopljenih bromida, fluorida, klorida, nitrata, fosfata i sulfata metodom ionske tekućinske kromatografije Determination of dissolved bromide, fluoride, chloride, nitrate, phosphate and sulphate ions, using liquid chromatography of ions Granica kvantifikacije: Limit of quantification: <table><tr><td></td><td>*</td><td>Otpadne vode Waste water</td></tr><tr><td>Br</td><td>0,02 mg/L</td><td>-</td></tr><tr><td>F</td><td>0,1 mg/L</td><td>0,1 mg/L</td></tr><tr><td>Cl</td><td>1 mg/L</td><td>1 mg/L</td></tr><tr><td>NO3</td><td>1 mg/L</td><td>1 mg/L</td></tr><tr><td>PO4³</td><td>20 μg/L</td><td>100 μg/L</td></tr><tr><td>SO4²</td><td>1 mg/L</td><td>1 mg/L</td></tr></table>		*	Otpadne vode Waste water	Br	0,02 mg/L	-	F	0,1 mg/L	0,1 mg/L	Cl	1 mg/L	1 mg/L	NO3	1 mg/L	1 mg/L	PO4 ³	20 μg/L	100 μg/L	SO4 ²	1 mg/L	1 mg/L	HRN EN ISO 10304-1:2009 (ISO 10304-1:2007; EN ISO 10304-1:2009) HRN EN ISO 10304-1:2009/Ispr.1:2012 (EN ISO 10304-1:2009/AC:2012)
	*	Otpadne vode Waste water																						
Br	0,02 mg/L	-																						
F	0,1 mg/L	0,1 mg/L																						
Cl	1 mg/L	1 mg/L																						
NO3	1 mg/L	1 mg/L																						
PO4 ³	20 μg/L	100 μg/L																						
SO4 ²	1 mg/L	1 mg/L																						

Br. No.	Materijali/Proizvodi Materials/Products	Vrsta ispitivanja/Svojstvo Type of test/Property <i>Raspon/Range</i>	Metoda ispitivanja Test method
57.	Prirodne mineralne, prirodne izvorske, stolne vode, voda za ljudsku potrošnju, podzemna voda, površinska voda, voda za kupanje, bazenska voda <i>Natural mineral, natural spring, table water, water for human consumption, ground water, surface water bathing water, pool water</i>	Određivanje mutnoće <i>Determination of turbidity</i> 0,05 NTU – 400 NTU	HRN EN ISO 7027-1:2016 <i>(ISO 7027-1:2016; EN ISO 7027-1:2016)</i>
58.	Prirodne mineralne, prirodne izvorske, stolne vode, voda za ljudsku potrošnju, podzemna voda, voda za kupanje, bazenska voda i otpadna voda <i>Natural mineral, natural spring, table water, water for human consumption, ground water, bathing water, pool water and waste water</i>	Određivanje amonija <i>Determination of ammonium</i> Granica kvantifikacije: <i>Limit of quantification:</i> NH ₄ ⁺ : 0,01 mg/L	HRN ISO 7150-1:1998 <i>(ISO 7150-1:1984)</i>
59.	Prirodne mineralne, prirodne izvorske, stolne vode, voda za ljudsku potrošnju, voda za hemodijalizu i podzemna voda <i>Natural mineral, natural spring, table water, water for human consumption, water for hemodialysis and ground water</i>	Određivanje ukupno otopljenih tvari <i>Determination of total dissolved Solids</i> Granica kvantifikacije: <i>Limit of quantification:</i> 1 mg/L	Vlastita metoda <i>In-house method</i> Oznaka/Code: P-VODE-12 Izdanje/Edition: 3/3 Datum/Date: 26.04.2018.

Br. No.	Materijali/Proizvodi Materials/Products	Vrsta ispitivanja/Svojstvo Type of test/Property Raspon/Range	Metoda ispitivanja Test method								
60.	Prirodne mineralne, prirodne izvorske, stolne vode, voda za ljudsku potrošnju, voda za hemodijalizu i podzemna voda Natural mineral, natural spring, table water, water for human consumption, water for hemodialysis and ground water	Određivanje alkaliteta Determination of total alkalinity Granica kvantifikacije: Limit of quantification: HCO₃⁻ : 6,0 mg/L	Vlastita metoda In-house method Oznaka/Code: P-VODE-14 Izdanje/Edition: 3/2 Datum/Date: 24.04.2018. modificirana/modified HRN EN ISO 9963-1:1998 (ISO 9963-1:1994; EN ISO 9963-1:1995								
61.	Prirodne mineralne, prirodne izvorske, stolne vode, voda za ljudsku potrošnju, voda za hemodijalizu i podzemna voda Natural mineral, natural spring, table water, water for human consumption, water for hemodialysis and ground water	Određivanje otopljenih Na⁺, K⁺, Ca²⁺ i Mg²⁺ metodom ionske kromatografije Determination of dissolved Na⁺, K⁺, Ca²⁺ and Mg²⁺ using ion chromatography Granica kvantifikacije: Limit of quantification: <table><tr><td>Na⁺:</td><td>1 mg/L</td></tr><tr><td>K⁺</td><td>1 mg/L</td></tr><tr><td>Ca²</td><td>1 mg/L</td></tr><tr><td>Mg²</td><td>1 mg/L</td></tr></table>	Na ⁺ :	1 mg/L	K ⁺	1 mg/L	Ca ²	1 mg/L	Mg ²	1 mg/L	HRN EN ISO 14911:2001 (ISO 14911:1998; EN ISO 14911:1999)
Na ⁺ :	1 mg/L										
K ⁺	1 mg/L										
Ca ²	1 mg/L										
Mg ²	1 mg/L										

Br. No.	Materijali/Proizvodi Materials/Products	Vrsta ispitivanja/Svojstvo Type of test/Property Raspon/Range	Metoda ispitivanja Test method																				
62.	Prirodne mineralne, prirodne izvorske, stolne vode, voda za ljudsku potrošnju, podzemne vode, vodena otopina ekstrakta iz materijala i predmeta koji dolaze u kontakt s vodom za ljudsku potrošnju, voda za hemodijalizu i otpadna voda Natural mineral, natural spring, table water, water for human consumption, ground water, water solutions from materials and items extracts that are in a contact with water for human consumption, water for hemodialysis and waste water	Određivanje metala metodom optičke emisijske spektrometrije induktivno vezane plazme Determination of selected elements by inductively coupled plasma optical emission spectroscopy(ICP-OES) Granica kvantifikacije: Limit of quantification: <table><tr><td>Ba</td><td>4 µg/L</td></tr><tr><td>Be</td><td>1 µg/L</td></tr><tr><td>Co</td><td>2 µg/L</td></tr><tr><td>Cr</td><td>3 µg/L</td></tr><tr><td>Cu</td><td>4 µg/L</td></tr><tr><td>Fe</td><td>6 µg/L</td></tr><tr><td>Mn</td><td>1 µg/L</td></tr><tr><td>Sr</td><td>4 µg/L</td></tr><tr><td>Ni</td><td>2 µg/L</td></tr><tr><td>Zn</td><td>2 µg/L</td></tr></table>	Ba	4 µg/L	Be	1 µg/L	Co	2 µg/L	Cr	3 µg/L	Cu	4 µg/L	Fe	6 µg/L	Mn	1 µg/L	Sr	4 µg/L	Ni	2 µg/L	Zn	2 µg/L	HRN EN ISO 11885:2010 (ISO 11885:2007; EN ISO 11885:2009)
Ba	4 µg/L																						
Be	1 µg/L																						
Co	2 µg/L																						
Cr	3 µg/L																						
Cu	4 µg/L																						
Fe	6 µg/L																						
Mn	1 µg/L																						
Sr	4 µg/L																						
Ni	2 µg/L																						
Zn	2 µg/L																						
63.	Prirodne mineralne, prirodne izvorske, stolne vode, voda za ljudsku potrošnju, podzemna voda i otpadna voda Natural mineral, natural spring, table water, water for human consumption, ground water and waste water	Određivanje nitrita Determination of nitrite Granica kvantifikacije: Limit of quantification: NO₂⁻ : 0,02 mg/L	HRN EN 26777:1998 (ISO 6777:1984; EN 26777:1993)																				

Br. No.	Materijali/Proizvodi Materials/Products	Vrsta ispitivanja/Svojstvo Type of test/Property <i>Raspon/Range</i>	Metoda ispitivanja Test method
64.	Prirodne mineralne, prirodne izvorske, stolne vode, voda za ljudsku potrošnju i podzemne vode <i>Natural mineral, natural spring, table water, water for human consumption and ground water</i>	Određivanje silikata <i>Determination of silicate</i> Granica kvantifikacije: <i>Limit of quantification:</i> 1 mg SiO ₂ /L	Vlastita metoda <i>In-house method</i> Oznaka/Code: P-VODE-17 Izdanje/Edition: 2/3 Datum/Date: 25.04.2018. modificirana/modified Standard methods 23 st. Ed. 2017., 4500-SiO ₂ D
65.	Prirodne mineralne, prirodne izvorske, stolne vode, voda za ljudsku potrošnju, podzemna voda i vodena otopina ekstrakta iz materijala i predmeta koji dolaze u kontakt s vodom za ljudsku potrošnju, voda za hemodijalizu i otpadne vode <i>Natural mineral, natural spring, table water, water for human consumption, ground water and water solutions from materials and items extracts that are in a contact with water for human consumption, water for hemodialysis and waste water</i>	Određivanje arsena HG-ICP-OES Tehnikom <i>Determination of arsenic by HG-inductively coupled plasma atomic emission spectroscopy</i> Granica kvantifikacije: <i>Limit of quantification:</i> As 1 µg/L	Vlastita metoda <i>In-house method</i> Oznaka/Code: P-VODE-21 Izdanje/Edition: 1/3 Datum/Date: 03.05.2018.

Br. No.	Materijali/Proizvodi Materials/Products	Vrsta ispitivanja/Svojstvo Type of test/Property Raspon/Range	Metoda ispitivanja Test method
66.	Prirodne mineralne, prirodne izvorske, stolne vode, voda za ljudsku potrošnju, voda za hemodijalizu i podzemna voda Natural mineral, natural spring, table water, water for human consumption, water for hemodialysis and ground water	Određivanje ukupne tvrdoće (određivanje sume kalcija i magnezija) Determination of the total hardness (sum of calcium and magnesium) Granica kvantifikacije: Limit of quantification: 2 mg CaCO ₃ /L	Vlastita metoda In-house method Oznaka/Code: P-VODE-22 Izdanje/Edition: 1/2 Datum/Date: 17.04.2018. modificirana/modified HRN ISO 6059:1998 (ISO 6059:1984)
67.	Otpadna voda Waste waters	Određivanje indeksa kemijske potrošnje kisika (KPK) Determination of the chemical oxygen demand indeks Granica kvantifikacije: Limit of quantification: 6 mg O ₂ /L	HRN ISO 15705:2003 (ISO 15705:2002)
68.	Prirodne mineralne, prirodne izvorske, stolne vode, voda za ljudsku potrošnju, podzemna, površinska i otpadna voda Natural mineral, natural spring, table water, water for human consumption, ground, surface and waste water	Određivanje isparnog ostatka na 105°C Total solids dried at 105°C Granica kvantifikacije: Limit of quantification: 2 mg/L	Standard methods 23 st. Ed. 2017 2540B

Br. No.	Materijali/Proizvodi Materials/Products	Vrsta ispitivanja/Svojstvo Type of test/Property <i>Raspon/Range</i>	Metoda ispitivanja Test method
69.	Prirodne mineralne, prirodne izvorske, stolne vode, voda za ljudsku potrošnju, podzemna, površinska i otpadna voda <i>Natural mineral, natural spring, table water, water for human consumption, ground, surface and waste water</i>	Određivanje suspendiranih tvari <i>Determination of suspended solids</i> Granica kvantifikacije: <i>Limit of quantification:</i> 2 mg/L	HRN EN 872:2008 <i>(EN 872:2005)</i>
70.	Podzemna, površinska i otpadna voda <i>Surface, ground and waste water</i>	Određivanje ukupnog fosfora <i>Determination of total phosphorus</i> Granica kvantifikacije: <i>Limit of quantification:</i> P: 0,05 mg/L	HRN EN ISO 6878:2008 <i>(ISO 6878:2004; EN ISO 6878:2004)</i> točka/clause 7
71.	Podzemna, površinska i otpadna voda <i>Surface, ground and waste water</i>	Određivanje ukupnog dušika <i>Determination of total nitrogen</i> Granica kvantifikacije: <i>Limit of quantification:</i> N:0,5 mg/L	HRN EN ISO 11905-1:2001 <i>(ISO 11905-1:1997.; EN ISO 11905-1:1998)</i> točka/clause C4
72.	Prirodne mineralne, prirodne izvorske, stolne vode, voda za ljudsku potrošnju, podzemna, površinska i otpadna voda <i>Natural mineral, natural spring, table water, water for human consumption ground, surface and waste water</i>	Određivanje neionskih tenzida <i>Determination of nonionic surfactants</i> Granica kvantifikacije: <i>Limit of quantification:</i> 60 µg/L	Vlastita metoda <i>In-house method</i> Oznaka/Code: P-VODE-28 Izdanje/Edition: 1/2 Datum/Date: 04.05.2018. temeljena na/based on Merck 1.01787.0001 (kivetni test/cuvette test)

Br. No.	Materijali/Proizvodi Materials/Products	Vrsta ispitivanja/Svojstvo Type of test/Property Raspon/Range	Metoda ispitivanja Test method						
73.	Voda za ljudsku potrošnju, podzemna voda i otpadna voda water for human consumption, ground water and waste water	Određivanje anionskih tenzida Determination of anionic Surfactants Granica kvantifikacije: Limit of quantification: 50 µg/L	Vlastita metoda In-house method Oznaka/Code: P-VODE-29 Izdanje/Edition: 1/3 Datum/Date: 04.05.2018. modificirana/modified Standard methods, 23 st. Ed. 2017., 5540 C						
74.	Prirodne mineralne, prirodne izvorske, stolne vode, voda za ljudsku potrošnju, podzemna voda i bazenska voda Natural mineral, natural spring, table water, water for human consumption, ground water and pool water	Određivanje boje Determination of color Granica kvantifikacije: Limit of quantification: Pt/Co: 5 mg/L	Standard methods, 23 st. Ed. 2017., 2120 C						
75.	Prirodne mineralne, prirodne izvorske, stolne vode, voda za ljudsku potrošnju i podzemna voda Natural mineral, natural spring, table water, water for human consumption and ground water	Određivanje otopljenih klorata, klorita i bromata metodom ionske tekućinske kromatografije Determination of dissolved chlorate, chlorite and bromate-method by liquid chromatography of ions Granica kvantifikacije: Limit of quantification: <table><tr><td>ClO₃⁻</td><td>10 µg/L</td></tr><tr><td>ClO₂⁻</td><td>10 µg/L</td></tr><tr><td>BrO₃⁻</td><td>2 µg/L</td></tr></table>	ClO ₃ ⁻	10 µg/L	ClO ₂ ⁻	10 µg/L	BrO ₃ ⁻	2 µg/L	HRN EN ISO 10304-4:2001 (ISO 10304-4:1997; EN ISO 10304-4:1999) HRN EN ISO 15061:2001 (ISO 15061:2001; EN ISO 15061:2001)
ClO ₃ ⁻	10 µg/L								
ClO ₂ ⁻	10 µg/L								
BrO ₃ ⁻	2 µg/L								

Br. No.	Materijali/Proizvodi Materials/Products	Vrsta ispitivanja/Svojstvo Type of test/Property Raspon/Range	Metoda ispitivanja Test method																
76.	Prirodne mineralne, prirodne izvorske, stolne vode, voda za ljudsku potrošnju i podzemna voda Natural mineral, natural spring, table water, water for human consumption and ground water	Određivanje naftalen, antracen, fluoranten, benzo(b)fluoranten,benzo (k) fluoranten, benzo(a)piren, benzo(g,h,i)perilen, indeno (1,2,3-c,d) piren primjenom tekućinske kromatografije visoke djelotvornosti nakon ekstrakcije na čvrstoj fazi Determination of naphthalene, anthracene, fluoranthene benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene benzo(g h i)perylene, indeno(1,2,3-c,d)pyrene by high-performance liquid chromatography technique after solid-phase extraction Granica kvantifikacije: Limit of quantification: <table><tr><td>Naftalen</td><td>0,005 µg/L</td></tr><tr><td>Antracen</td><td>0,005 µg/L</td></tr><tr><td>Fluoranten</td><td>0,005 µg/L</td></tr><tr><td>Benzo(b)fluoranten</td><td>0,005 µg/L</td></tr><tr><td>Benzo (k)fluoranten</td><td>0,005 µg/L</td></tr><tr><td>Benzo(a)piren</td><td>0,003 µg/L</td></tr><tr><td>Benzo(g,h,i)perilen</td><td>0,005 µg/L</td></tr><tr><td>Indeno (1,2,3-c,d)piren</td><td>0,005 µg/L</td></tr></table>	Naftalen	0,005 µg/L	Antracen	0,005 µg/L	Fluoranten	0,005 µg/L	Benzo(b)fluoranten	0,005 µg/L	Benzo (k)fluoranten	0,005 µg/L	Benzo(a)piren	0,003 µg/L	Benzo(g,h,i)perilen	0,005 µg/L	Indeno (1,2,3-c,d)piren	0,005 µg/L	Vlastita metoda In-house method Oznaka/Code: P-VODE-34 Izdanje/Edition: 1/1 Datum/Date: 04.05.2018. modificirana/modified HRN EN ISO 17993:2008 (ISO 17993:200; EN ISO 17993:2003)
Naftalen	0,005 µg/L																		
Antracen	0,005 µg/L																		
Fluoranten	0,005 µg/L																		
Benzo(b)fluoranten	0,005 µg/L																		
Benzo (k)fluoranten	0,005 µg/L																		
Benzo(a)piren	0,003 µg/L																		
Benzo(g,h,i)perilen	0,005 µg/L																		
Indeno (1,2,3-c,d)piren	0,005 µg/L																		
77.	Voda za ljudsku potrošnju i bazenska voda Water for human consumption and pool water	Određivanje slobodnog i ukupnog klora Determination of free chlorine and total chlorine Granica kvantifikacije: Limit of quantification: 0,05 mg Cl₂/L	HRN EN ISO 7393-2:2018 (ISO 7393-2:2017; EN ISO 7393-2:2018)																

Br. No.	Materijali/Proizvodi Materials/Products	Vrsta ispitivanja/Svojstvo Type of test/Property Raspon/Range	Metoda ispitivanja Test method
78.	Prirodne mineralne, prirodne izvorske, stolne vode, voda za ljudsku potrošnju, podzemna voda i bazenska voda <i>Natural mineral, natural spring, table water, water for human consumption, ground water and pool water</i>	Određivanje permanganatnog indeksa <i>Determination of permanganate index</i> Granica kvantifikacije: <i>Limit of quantification:</i> 0,5 mg O ₂ /L	HRN EN ISO 8467:2001 (ISO 8467:1993; EN ISO 8467:1995)
79.	Prirodne mineralne, prirodne izvorske, stolne vode, voda za ljudsku potrošnju, podzemna voda i bazenska voda <i>Natural mineral, natural spring, table water, water for human consumption, ground water and pool water</i>	Detekcija i brojenje ukupnih koliforma i <i>E.coli</i> - metoda membranske filtracije <i>Detection and enumeration of Escherichia coli and coliform bacteria by membrane filtration</i>	HRN EN ISO 9308-1: 2014 (ISO 9308-1:2014, EN ISO 9308-1:2014) HRN EN ISO 9308-1:2014/A1:2017 (ISO 9308-1:2014/Amd 1:2016; EN ISO 9308-1:2014/A1:2017)
80.	Voda za ljudsku potrošnju i podzemna voda <i>Drinking water and ground water</i>	Detekcija i brojenje ukupnih koliforma i <i>E.coli</i> - Colilert metoda (MPN) <i>Detection and enumeration of total coliforms and Escherichia coli by Colilert method (MPN)</i>	HRN EN ISO 9308-2:2014 (ISO 9308-2:2012; EN ISO 9308-2:2014)
81.	Prirodne mineralne, prirodne izvorske, stolne vode, voda za ljudsku potrošnju i podzemna voda <i>Natural mineral, natural spring, table water, water for human consumption and ground water</i>	Detekcija i brojenje crijevnih enterokoka-2. dio: Metoda membranske filtracije <i>Detection and enumeration of intestinal enterococci Part 2: Membrane filtration method</i>	HRN EN ISO 7899-2:2000 (ISO 7899-2:2000; EN ISO 7899-2:2000)

Br. No.	Materijali/Proizvodi <i>Materials/Products</i>	Vrsta ispitivanja/Svojstvo <i>Type of test/Property</i> Raspon/Range	Metoda ispitivanja <i>Test method</i>
82.	Prirodne mineralne, prirodne izvorske, stolne vode, voda za ljudsku potrošnju, podzemna voda i bazenska voda <i>Natural mineral, natural spring, table water, water for human consumption, ground water, and pool water</i>	Detekcija i brojenje <i>Pseudomonas aeruginosa</i> metodom membranske filtracije <i>Detection and enumeration of Pseudomonas aureginosa - membrane filtration method</i>	HRN EN ISO 16266:2008 <i>(ISO 16266:2006; EN ISO 16266:2008)</i>
83.	Prirodne mineralne, prirodne izvorske, stolne vode, voda za ljudsku potrošnju, podzemna voda i bazenska voda <i>Natural mineral, natural spring, table water, water for human consumption, ground water and pool water</i>	Brojenje uzgojenih mikroorganizama –Broj kolonija naciepljivanjem na hranjivi agar <i>Enumeration of culturable micro-organisms-Colony count by inoculation in a nutrient agar culture medium</i>	HRN EN ISO 6222:2000 <i>(ISO 6222:1999; EN ISO 6222:1999)</i>
84.	Voda za ljudsku potrošnju <i>Water for human consumption</i>	Uzorkovanje <i>Sampling</i>	HRN ISO 5667-5:2011 <i>(ISO 5667-5:2006)</i> HRN EN ISO 19458:2008 <i>(ISO 19458:2006; EN ISO 19458:2006)</i>
85.	Podzemna voda <i>Ground water</i>	Uzorkovanje <i>Sampling</i>	HRN ISO 5667-11:2011 <i>(ISO 5667-11:2009)</i>

Br. No.	Materijali/Proizvodi Materials/Products	Vrsta ispitivanja/Svojstvo Type of test/Property Raspon/Range	Metoda ispitivanja Test method												
86.	Prirodne mineralne, prirodne izvorske, stolne vode, voda za ljudsku potrošnju i podzemna voda Natural mineral, natural spring, table water, water for human consumption and ground water	Određivanje benzena i njegovih derivata (toluena, o-, m-, p-ksilena, etilbenzena) metodom analize para iznad otopine plinskom kromatografijom Determination of benzene and some derivatives (toluene, o-, m-, p-xylene, ethylbenzene) by headspace gas chromatography method Granica kvantifikacije: Limit of quantification: <table><tr><td>Benzen</td><td>0,2 µg/L</td></tr><tr><td>Toluen</td><td>0,2 µg/L</td></tr><tr><td>o-ksilen</td><td>0,2 µg/L</td></tr><tr><td>m-ksilen</td><td>0,2 µg/L</td></tr><tr><td>p-ksilen</td><td>0,2 µg/L</td></tr><tr><td>Etilbenzen</td><td>0,2 µg/L</td></tr></table>	Benzen	0,2 µg/L	Toluen	0,2 µg/L	o-ksilen	0,2 µg/L	m-ksilen	0,2 µg/L	p-ksilen	0,2 µg/L	Etilbenzen	0,2 µg/L	HRN ISO 11423-1:2002 (ISO 11423-1:1997)
Benzen	0,2 µg/L														
Toluen	0,2 µg/L														
o-ksilen	0,2 µg/L														
m-ksilen	0,2 µg/L														
p-ksilen	0,2 µg/L														
Etilbenzen	0,2 µg/L														
87.	Prirodne mineralne, prirodne izvorske, stolne vode, voda za ljudsku potrošnju, podzemna voda, bazenska voda i otpadna voda Natural mineral, natural spring, table water, water for human consumption and ground water, pool water and waste water	Određivanje ukupnog organskog ugljika (TOC) i otopljenog organskog ugljika (DOC) u vodama detekcijskom metodom sagorijevanja Determination of Total Organic Carbon (TOC) and dissolved Organic Carbon (DOC) in Water by the Combustion Detection Method Granica kvantifikacije: Limit of quantification: 0,3 mg /L	HRN EN 1484:2002 (EN 1484:1997)												
88.	Voda za ljudsku potrošnju i bazenska voda Water for human consumption and pool water	Brojenje bakterija Legionella spp. Enumeration of Legionella spp.	HRN EN ISO 11731:2017 (ISO 11731:2017; EN ISO 11731:2017)												

Br. No.	Materijali/Proizvodi Materials/Products	Vrsta ispitivanja/Svojstvo Type of test/Property Raspon/Range	Metoda ispitivanja Test method
89.	Prirodne mineralne, prirodne izvorske, stolne vode, voda za ljudsku potrošnju, podzemna voda, bazenska voda i površinska voda <i>Natural mineral, natural spring, table water, water for human consumption and ground water, pool water and surface water</i>	Detekcija i brojenje spora sulfito-reducirajućih anaeroba (klostridija)-Metoda membranske filtracije <i>Detection and enumeration of the spores of sulfite-reducing anaerobes (clostridia)- Membrane filtration method</i>	HRN EN 26461-2:2008 (ISO 6461-2:1986; EN 26461-2:1993)
90.	Voda za ljudsku potrošnju, prirodna izvorska, površinska voda i otpadna voda <i>Water for human consumption, natural spring water, surface water and waste water</i>	Određivanje ravnolančanih ugljikovodika C ₁₀ – C ₄₀ metodom ekstrakcije (tekuće-tekuće) i plinskom kromatografijom <i>Determination of straight - chain hydrocarbons C₁₀-C₄₀ by liquid-liquid extraction and gas chromatography</i> Granica kvantifikacije: <i>Limit of quantification:</i> 5 µg/l	Vlastita metoda <i>In-house method</i> Oznaka/Code: P-VODE-36 Izdanje/Edition: 1/0 Datum/Date: 31.08.2019. modificirana/modified HRN ISO 11423-1:2002 (ISO 11423-1:1997)
91.	Bazenska voda <i>Pool water</i>	Uzorkovanje <i>Sampling</i>	HRN EN ISO 19458:2008; (ISO 19458:2006; EN ISO 19458:2006)

Br. No.	Materijali/Proizvodi Materials/Products	Vrsta ispitivanja/Svojstvo Type of test/Property Raspon/Range	Metoda ispitivanja Test method																																																																																																																		
92.	Voda za ljudsku potrošnju, površinske, podzemne, mineralne, izvorske i stolne vode Water for human consumption surface water, ground water, natural mineral water, natural spring water, table water	Određivanje pesticida Determination of pesticides: <table><tr><th colspan="2">GC MS</th><th>LOQ / µg/L</th></tr><tr><td>1</td><td>Alaklor / Alachlor</td><td>0,01</td></tr><tr><td>2</td><td>Aldrin / Aldrin</td><td>0,01</td></tr><tr><td>3</td><td>Atrazin / Atrazine</td><td>0,01</td></tr><tr><td>4</td><td>Diazinon / Diazinon</td><td>0,01</td></tr><tr><td>5</td><td>Dieldrin / Dieldrin</td><td>0,02</td></tr><tr><td>6</td><td>Diklorvos / Dichlorvos</td><td>0,01</td></tr><tr><td>7</td><td>Dimetoat / Dimethoate</td><td>0,03</td></tr><tr><td>8</td><td>DDD-p,p / DDD-p,p</td><td>0,01</td></tr><tr><td>9</td><td>DDE-p,p / DDE-p,p</td><td>0,01</td></tr><tr><td>10</td><td>DDT-o,p / DDT-o,p</td><td>0,03</td></tr><tr><td>11</td><td>DDT-p,p / DDT-p,p</td><td>0,03</td></tr><tr><td>12</td><td>Endosulfan-alfa / Endosulfan- alpha</td><td>0,03</td></tr><tr><td>13</td><td>Endosulfan-beta / Endosulfan- beta</td><td>0,03</td></tr><tr><td>14</td><td>Endrin / Endrin</td><td>0,03</td></tr><tr><td>15</td><td>Fenitroton / Fenitrothion</td><td>0,01</td></tr><tr><td>16</td><td>HCB / HCB</td><td>0,03</td></tr><tr><td>17</td><td>HCH-alfa / HCH-alpha</td><td>0,03</td></tr><tr><td>18</td><td>HCH-beta / HCH-beta</td><td>0,02</td></tr><tr><td>19</td><td>HCH-delta / HCH-delta</td><td>0,01</td></tr><tr><td>20</td><td>HCH-gama / HCH-gamma (Lindan / Lindane)</td><td>0,01</td></tr><tr><td>21</td><td>Heptaklor / Heptachlor</td><td>0,03</td></tr><tr><td>22</td><td>Heptaklorepoksid-cis / Heptachlorepoxyde-cis</td><td>0,03</td></tr><tr><td>23</td><td>Heptaklorepoksid-trans / Heptachlorepoxyde-trans</td><td>0,03</td></tr><tr><td>24</td><td>Izodrin / Isodrin</td><td>0,03</td></tr><tr><td>25</td><td>Klorfenvinfos / Chlorfenvinphos</td><td>0,03</td></tr><tr><td>26</td><td>Klorpirifos / Chlorpyrifos</td><td>0,01</td></tr><tr><td>27</td><td>Klorpirifos-metil / Chlorphyrifos- methyl</td><td>0,03</td></tr><tr><td>28</td><td>Malation / Malathion</td><td>0,02</td></tr><tr><td>29</td><td>Metoksiklor / Methoxychlor</td><td>0,03</td></tr><tr><td>30</td><td>Ometoat / Omethoate</td><td>0,03</td></tr><tr><td>31</td><td>Paration / Parathion</td><td>0,05</td></tr><tr><td>32</td><td>Pendimetalin / Pendimethalin</td><td>0,02</td></tr><tr><td>33</td><td>Pirimifos-etil / Pirimiphos-ethyl</td><td>0,03</td></tr><tr><td>34</td><td>Pirimifos-metil / Pirimiphos- methyl</td><td>0,03</td></tr><tr><td>35</td><td>s-metolaklor / s-metolachlor</td><td>0,01</td></tr><tr><td>36</td><td>Simazin / Simazine</td><td>0,01</td></tr><tr><td>37</td><td>Terbutilazin / Terbutylazine</td><td>0,01</td></tr></table>	GC MS		LOQ / µg/L	1	Alaklor / Alachlor	0,01	2	Aldrin / Aldrin	0,01	3	Atrazin / Atrazine	0,01	4	Diazinon / Diazinon	0,01	5	Dieldrin / Dieldrin	0,02	6	Diklorvos / Dichlorvos	0,01	7	Dimetoat / Dimethoate	0,03	8	DDD-p,p / DDD-p,p	0,01	9	DDE-p,p / DDE-p,p	0,01	10	DDT-o,p / DDT-o,p	0,03	11	DDT-p,p / DDT-p,p	0,03	12	Endosulfan-alfa / Endosulfan- alpha	0,03	13	Endosulfan-beta / Endosulfan- beta	0,03	14	Endrin / Endrin	0,03	15	Fenitroton / Fenitrothion	0,01	16	HCB / HCB	0,03	17	HCH-alfa / HCH-alpha	0,03	18	HCH-beta / HCH-beta	0,02	19	HCH-delta / HCH-delta	0,01	20	HCH-gama / HCH-gamma (Lindan / Lindane)	0,01	21	Heptaklor / Heptachlor	0,03	22	Heptaklorepoksid-cis / Heptachlorepoxyde-cis	0,03	23	Heptaklorepoksid-trans / Heptachlorepoxyde-trans	0,03	24	Izodrin / Isodrin	0,03	25	Klorfenvinfos / Chlorfenvinphos	0,03	26	Klorpirifos / Chlorpyrifos	0,01	27	Klorpirifos-metil / Chlorphyrifos- methyl	0,03	28	Malation / Malathion	0,02	29	Metoksiklor / Methoxychlor	0,03	30	Ometoat / Omethoate	0,03	31	Paration / Parathion	0,05	32	Pendimetalin / Pendimethalin	0,02	33	Pirimifos-etil / Pirimiphos-ethyl	0,03	34	Pirimifos-metil / Pirimiphos- methyl	0,03	35	s-metolaklor / s-metolachlor	0,01	36	Simazin / Simazine	0,01	37	Terbutilazin / Terbutylazine	0,01	Vlastita metoda In-house method Oznaka/Code: P-PEST-10 Izdanje/Edition: 1/3, 6.1.2020. modificirane/modified EPA 525.3 EPA 536
GC MS		LOQ / µg/L																																																																																																																			
1	Alaklor / Alachlor	0,01																																																																																																																			
2	Aldrin / Aldrin	0,01																																																																																																																			
3	Atrazin / Atrazine	0,01																																																																																																																			
4	Diazinon / Diazinon	0,01																																																																																																																			
5	Dieldrin / Dieldrin	0,02																																																																																																																			
6	Diklorvos / Dichlorvos	0,01																																																																																																																			
7	Dimetoat / Dimethoate	0,03																																																																																																																			
8	DDD-p,p / DDD-p,p	0,01																																																																																																																			
9	DDE-p,p / DDE-p,p	0,01																																																																																																																			
10	DDT-o,p / DDT-o,p	0,03																																																																																																																			
11	DDT-p,p / DDT-p,p	0,03																																																																																																																			
12	Endosulfan-alfa / Endosulfan- alpha	0,03																																																																																																																			
13	Endosulfan-beta / Endosulfan- beta	0,03																																																																																																																			
14	Endrin / Endrin	0,03																																																																																																																			
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19	HCH-delta / HCH-delta	0,01																																																																																																																			
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25	Klorfenvinfos / Chlorfenvinphos	0,03																																																																																																																			
26	Klorpirifos / Chlorpyrifos	0,01																																																																																																																			
27	Klorpirifos-metil / Chlorphyrifos- methyl	0,03																																																																																																																			
28	Malation / Malathion	0,02																																																																																																																			
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35	s-metolaklor / s-metolachlor	0,01																																																																																																																			
36	Simazin / Simazine	0,01																																																																																																																			
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Br. No.	Materijali/Proizvodi Materials/Products	Vrsta ispitivanja/Svojstvo Type of test/Property Raspon/Range		Metoda ispitivanja Test method
92.	Voda za ljudsku potrošnju, površinske, podzemne, mineralne, izvorske i stolne vode/ Water for human consumption surface water, ground water, natural mineral water, natural spring water, table water	LC MSMS		LOQ / µg/L
		1	2,4-D / 2,4-D	0,02
		2	2,6-diklorbenzamid / 2,6-dichlorobenzamide	0,02
		3	Atrazin / Atrazine	0,01
		4	Azoksistrobin / Azoxystrobine	0,05
		5	Bentazon / Bentazone	0,03
		6	Bromacil / Bromacil	0,01
		7	Desisopropil atrazin / Deisopropyl atrazine	0,02
		8	Desetil atrazin / Desethyl atrazine	0,03
		9	Desetil terbutilazin / Desethyl terbuthylazine	0,03
		10	Desetil-2-hidroksi atrazin / Desethyl-2-hydroxy atrazine	0,03
		11	Desmetil isoproturon / Desmethyl isoproturon	0,02
		12	Dimetenamid-p / Dimethenamide-p	0,01
		13	Diuron / Diuron	0,02
		14	Fosetil / Fosetyl	0,05
		15	Glifosat / Glyphosate	0,03
		16	Hidroksi atrazin / Hydroxy atrazine	0,03
		17	Hidroksi simazin / Hydroxy simazine	0,03
		18	Hidroksi terbutilazin / Hydroxy terbuthylazine	0,02
		19	Izoproturon / Isoproturon	0,01
		20	Klorotoluron / Chlorotoluron	0,02
		21	Linuron / Linuron	0,02
		22	Malaokson / Malaoxon	0,03
		23	Mankozeb / Mancozeb	0,03
		24	MCPA / MCPA	0,02
		25	Metribuzin / Metrybuzine	0,05
		26	Simazin / Simazine	0,04
		27	Prometrin/ Prometryn	0,01
		28	Propineb / Propineb	0,04
		29	Prosulfokarb / Prosulfocarb	0,01
		30	Tebukonazol / Tebuconazole	0,02
		31	Terbutilazin / Terbuthylazine	0,03
32	Tiofanat metil / Tiofanat methyl	0,02		
III. Predmeti opće uporabe / Object of cammon use				
93.	Materijali i predmeti u kontaktu s hranom – plastika Materials and articles in contact with food-plastics	Određivanje globalne migracije u vodenim modelnim otopinama ispunjavanjem predmeta od plastike Testing of overall migration into aqueos food simulants by article filling		HRN EN 1186-9:2004 (EN 1186-9:2002)

Br. No.	Materijali/Proizvodi <i>Materials/Products</i>	Vrsta ispitivanja/Svojstvo <i>Type of test/Property</i> Raspon/Range	Metoda ispitivanja <i>Test method</i>
94.	Materijali i predmeti u kontaktu s hranom – plastika <i>Materials and articles in contact with food-plastics</i>	Određivanje globalne migracije u vodenim modelnim otopinama migracijskom ćelijom <i>Testing overall migration into aqueous food simulants by cell</i>	HRN EN 1186-5:2004 (EN1186-5:2002)
95.	Materijali i predmeti u kontaktu s hranom – plastika <i>Materials and articles in contact with food - plastics</i>	Određivanje globalne migracije potpunim uranjanjem predmeta od plastike <i>Test methods for overall migration into aqueous food simulants by total immersion</i>	HRN EN 1186-3:2004 (EN 1186-3:2002)
96.	Materijali i predmeti u kontaktu s hranom – plastika <i>Materials and articles in contact with food - plastics</i>	Određivanje globalne migracije sa zamjenskim modelnim otopinama hrane 95% etilnim alkoholom i izo-oktanom <i>Test methods for substitutes tests “for overall migration from plastics intended to come into contact with fatty foodstuffs using test media iso-octane and 95% ethanol</i>	HRN EN 1186-14:2005 (EN 1186-14:2002)
97.	Kozmetika Cosmetics	Određivanje pH vrijednosti u kozmetičkim proizvodima koji sadrže vodu <i>Determination of pH value in cosmetic products containing water</i>	Vlastita metoda <i>In-house method</i> Oznaka/Code: P-POU-8 Izdanje/Edition: 1/3 Datum/Date: 29.11.2019.
98.	Materijali i predmeti u kontaktu s vodom za piće <i>Materials and articles in contact with drinking water</i>	Određivanje metala (Ba, Be, Co, Cr, Cu, Fe, Mn, Sr, Ni, Zn, As) <i>Determination of metals (Ba, Be, Co, Cr, Cu, Fe, Mn, Sr, Ni, Zn, As)</i>	Vlastita metoda <i>In-house method</i> Oznaka/Code: P-POU-9 Izdanje/Edition: 1/0 Datum/Date: 29.11.2019.
99.	Materijali i predmeti u kontaktu s hranom – plastika <i>Materials and articles in contact with food-plastics</i>	Određivanje formaldehida u model otopini hrane <i>Determination of formaldehyde in food simulans</i>	HRN CEN/TS 13130-23: 2005 (CEN/TS 13130-23:2005)

Br. No.	Materijali/Proizvodi Materials/Products	Vrsta ispitivanja/Svojstvo Type of test/Property <i>Raspon/Range</i>	Metoda ispitivanja Test method
100.	Materijali i predmeti u kontaktu s hranom – plastika <i>Materials and articles in contact with food-plastics</i>	Određivanje benzofenona, dietilheksil adipata, dibutil sebacata, bis (2-etil-heksil) ftalata, erukamida, 2,6-diizopropil naftalena, metil stearata i kaprolaktama u simulantu hrane E-modificiranom polifenilenoksidu (Tenax-u) <i>Determination of benzophenone, diethylhexyl adipate, dibutyl sebacate, bis (2-ethylhexyl) phthalate, erucamide, 2,6-diisopropyl naphthalene, methyl stearate and caprolactam in food simulant with E-modified polyphenyleneoxide (Tenax)</i>	Vlastita metoda <i>In-house method</i> Oznaka/Code: P-POU-11 Izdanje/Edition: 1/1 Datum/Date: 29.11.2019.
101.	Materijali i predmeti u kontaktu s hranom – plastika <i>Materials and articles in contact with food - plastics</i>	Određivanje specifične migracije Ba, Co, Cu, Fe, Mn, Zn, Li, Ni, Al u ekstraktu 3 vol% octene kiseline <i>Determination of the specific migration Ba, Co, Cu, Fe, Mn, Zn, Li, Ni, Al in extracts of 3 vol% acetic acid</i>	Vlastita metoda <i>In-house method</i> Oznaka/Code: P-POU-12 Izdanje/Edition: 1/3 Datum/Date: 26.11.2019.
102.	Duhan i duhanski proizvodi <i>Tobacco and related products</i>	Određivanje nikotina u tekućini za elektroničke cigarete <i>Determination of nicotine in liquid for electronic cigarettes</i>	Vlastita metoda <i>In-house method</i> Oznaka/Code: P-POU-14 Izdanje/Edition: 1/1 Datum/Date: 29.11.2019.
103.	Kozmetika Cosmetics	Određivanje Pb, Cr, Ni, Cd, Hg, As, Sb u kozmetičkim proizvodima koji ostaju na koži <i>Determination of Pb, Cr, Ni, Cd, Hg, As, Sb in leave on cosmetic products</i>	Vlastita metoda <i>In-house method</i> Oznaka/Code: P-POU-13 Izdanje/Edition: 1/1 Datum/Date: 26.11.2019.
104.	Predmeti opće uporabe <i>Objects of Common use</i>	Određivanje bisfenola A u modelnim otopinama hrane <i>Determination of bisphenol A in food simulants</i>	Vlastita metoda <i>In-house method</i> Oznaka/Code: P-POU-18 Izdanje/Edition: 1/1 Datum/Date: 30.07.2019.
105.	Kozmetika Cosmetics	Određivanje broja i dokazivanje aerobnih mezofilnih bakterija <i>Enumeration and detection of aerobic mesophilic bacteria</i>	HRN EN ISO 21149:2017 (ISO 21149:2017; EN ISO 21149:2017)
106.	Kozmetika Cosmetics	Određivanje broja kvasaca i plijesni <i>Enumeration of yeast and mould</i>	HRN EN ISO 16212:2017 (ISO 16212:2017; EN ISO 16212:2017)
107.	Kozmetika Cosmetics	Dokazivanje bakterije <i>Staphylococcus aureus</i> <i>Detection of Staphylococcus aureus</i>	HRN EN ISO 22718:2016 (ISO 22718:2015; EN ISO 22718:2015)

Br. No.	Materijali/Proizvodi <i>Materials/Products</i>	Vrsta ispitivanja/Svojstvo <i>Type of test/Property</i> Raspon/Range	Metoda ispitivanja <i>Test method</i>
108.	Kozmetika <i>Cosmetics</i>	Dokazivanje bakterije <i>Escherichia coli</i> <i>Detection of Escherichia coli</i>	HRN EN ISO 21150:2016 <i>(ISO 21150:2015;</i> <i>EN ISO 21150:2015)</i>
109.	Kozmetika <i>Cosmetics</i>	Dokazivanje bakterije <i>Pseudomonas aeruginosa</i> <i>Detection of Pseudomonas aeruginosa</i>	HRN EN ISO 22717:2016 <i>(ISO 22717:2015;</i> <i>EN ISO 22717:2015)</i>
110.	Kozmetika <i>Cosmetics</i>	Dokazivanje kvasca <i>Candida albicans</i> <i>Detection of Candida albicans</i>	HRN EN ISO 18416:2016 <i>(ISO 18416:2015;</i> <i>EN ISO 18416:2015)</i>
111.	Kozmetika <i>Cosmetics</i>	Procjena antimikrobne zaštite kozmetičkih proizvoda <i>Evaluation of the antimicrobial protection of a cosmetic product</i>	HRN EN ISO 11930:2019 <i>(ISO 11930:2019;</i> <i>EN ISO 11930:2019)</i>
112.	Igračke <i>Toys</i>	Otpuštanje određenih elemenata (Al, Sb, As, Ba, B, Cd, Cr, Co, Cu, Pb, Mn, Hg, Ni, Se, Sr, Sn, Zn) <i>Migration of certain elements (Al, Sb, As, Ba, B, Cd, Cr, Co, Cu, Pb, Mn, Hg, Ni, Se, Sr, Sn, Zn)</i>	HRN EN 71-3:2019 <i>(EN 71-3:2019)</i>

FLEKSIBILNO PODRUČJE AKREDITACIJE/ FLEXIBLE SCOPE OF ACCREDITATION

OZNAKE (Index)		
MATRIKS (Matrix)		TEHNIKE (Techniques)
I – HRANA I HRANA ZA ŽIVOTINJE (Food and animal feeding stuff)	II – VODE (Water)	(1) qPCR (2) ICP-MS (3) HPLC-ICP-MS (4) AAS (FAAS, GFAAS, AMA 254, HydrEA)
(A) GMO (Genetically modified organisms)	(B) Elementi i elementne specije (Elements and elemental species)	
(B) Elementi i elementne specije (Elements and elemental species)		

Oznaka (Identification)	Materijali /Proizvodi (Materials/Products)	Vrsta ispitivanja/Svojstvo (Type of test/Property)	Tehnika (Technique)	Metoda ispitivanja (Test method)
I – GMO				
I-A-1	Hrana i hrana za životinje Food and Feed	Dokazivanje elemenata probira za GMO Detection of GMO screening elements	PCR u stvarnom vremenu Real time PCR	Prema popisu metoda dostupnim na www.hzjz.hr According to the list of methods available on www.hzjz.hr
I-A-1		Dokazivanje specifičnih genetski modificiranih elemenata Detection of specific genetically modified elements		
I – ELEMENTI I ELEMENTNE SPECIJE (Elements and elemental species)				
I-B-2	Hrana i hrana za životinje Food and Feed	Određivanje odabranih elemenata Determination of selected element	ICP-MS	Prema popisu metoda dostupnim na www.hzjz.hr According to the list of methods available on www.hzjz.hr
I-B-3	Hrana i hrana za životinje Food and Feed	Određivanje elementnih specija Determination of elemental species	HPLC-ICP-MS	
I-B-4	Hrana i hrana za životinje Food and Feed	Određivanje elementnih specija Determination of elemental species	AAS (HydrEA, AMA 254)	
I-B-4	Hrana i hrana za životinje Food and Feed	Određivanje odabranih elemenata Determination of selected element	AAS (FAAS, GFAAS, AMA 254, HydrEA)	
II – ELEMENTI I ELEMENTNE SPECIJE (Elements and elemental species)				
II-B-2	Voda Water	Određivanje odabranih elemenata Determination of selected elements	ICP-MS	Prema popisu metoda dostupnim na www.hzjz.hr According to the list of methods available on www.hzjz.hr

Napomena/Note:

- **qPCR** - Kvantitivna lančana reakcija polimerazom u stvarnom vremenu (*Real time quantification polymerase chain reaction*)
- **ICP-MS** - Spektrometrija masa s induktivno spregnutom plazmom (*Inductively Coupled Plasma Mass Spectrometry*)
- **HPLC-ICP MS** – Vezani sustav tekućinske kromatografije visoke djelotvornosti uz spektrometriju masa s induktivno spregnutom plazmom (*High-performance liquid chromatography coupled to Inductively Coupled Plasma Mass Spectrometry*)
- **AAS** - Atomska apsorpcijska spektrometrija (*Atomic Absorption Spectrometry, AAS*):
- **FAAS** - Plamena atomska apsorpcijska spektrometrija , (*Flame Atomic Absorption Spectrometry*)
- **GFAAS** - Tehnika grafitne peći, (*Graphite Furnace Atomic Absorption Spectrometry*)
- **CV AAS** – Tehnika hladnih para - Analizator žive (Mercury Analyser)
- **HydREA – GF AAS** generiranja hidrida uz *in situ* stupicu u iridijem obloženoj kivetu (*Hydride generation GF AAS with in situ trapping on an iridium-coated graphite*)

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 of test methods for 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 u laboratoriju na zahtjev i na stranci www.hzjz.hr

The valid list of accredited methods in the flexible scope is available in Laboratory or request and on webpage www.hzjz.hr