Potvrda o akreditaciji
Accreditation Certificate

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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 i hrane za životinje, dodataka prehrani, predmeta opće uporabe, mikrobioloških karakteristika hranjivih podloga
Kontrola mikrobiološke čistoće objekata u proizvodnji hrane i uzorkovanje voda
Testing of waters, food and animal feeding stuff, food supplements, objects of common use, microbiological characteristics of culture media
Hygiene control in food production 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.: 383-02/23-30/021
Urbroj/Id.No.: 569-02/1-23-51
Zagreb, 2023-12-06

Akreditacija istječe·Accreditation expiry: 2028-12-05
Prva akreditacija·Initial accreditation: 2003-12-09

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Director General:
mr. sc. Mirela Zečević

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Croatian Accreditation Agency

Hrvatska akreditacijska agencija
Croatian Accreditation Agency

PRILOG POTVRDI O AKREDITACIJI br: 1041
Annex to Accreditation Certificate Number:

Klasa/*Ref. No*.: 383-02/23-30/021
Urbroj/*Id. No*.: 569-02/4-25-43
Datum izdanja priloga /*Annex Issued on*: 2025-07-15

Zamjenjuje prilog/*Replaces Annex:*
Klasa/*Ref. No*.: 383-02/23-30/021
Urbroj/*Id. No*.: 569-02/1-23-50
Datum/*Date*: 2023-12-06

Norma: HRN EN ISO/IEC 17025:2017
Standard: (ISO/IEC 17025:2017; EN ISO/IEC 17025:2017)

Akreditacija istječe: 2028-12-05
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 i hrane za životinje, dodataka prehrani, predmeta opće uporabe, mikrobioloških karakteristika hranjivih podloga.
Kontrola mikrobiološke čistoće objekata u proizvodnji hrane i uzorkovanje voda
Testing of waters, food and animal feeding stuff, food supplements, objects of common use, microbiological characteristics of culture media.
Hygiene control in food production 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

Ravnateljica:
Director General:

mr. sc. Mirela Zečević

PODRUČJE AKREDITACIJE / *SCOPE OF ACCREDITATION*

Br. ***No.***	**Materijali/Proizvodi** Materials/Products	**Vrsta ispitivanja/Svojstvo** *Type of test/Property* ***Raspon****/Range*	**Metoda ispitivanja** Test method
	I - Hrana / *Food*		
1.	Hrana i okolišni uzorci *Food and environmental samples*	Horizontalna metoda za dokazivanje prisutnosti, određivanje broja i serotipizaciju *Salmonella*—1. dio: Dokazivanje prisutnosti *Horizontal method for the detection, enumeration and serotyping of Salmonella – Part 1: Detection of Salmonella*	HRN EN ISO 6579-1:2017 *(ISO 6579-1:2017; EN ISO 6579-1:2017)* HRN EN ISO 6579-1:2017/A1:2020 *(ISO 6579-1:2017/Amd 1:2020; EN ISO 6579-1:2017 /A1:2020)*
2.	Bakterijska kultura *Bacterial culture*	Horizontalna metoda za dokazivanje prisutnosti, određivanje broja i serotipizaciju *Salmonella* spp. –3. dio: Smjernice za serotipizaciju *Salmonella* spp. *Horizontal method for the detection, enumeration and serotyping of Salmonella — Part 3: Guidelines for serotyping of Salmonella spp.*	HRI CEN ISO/TR 6579-3:2014 *(ISO/TR 6579-3:2014; CEN ISO/TR 6579-3:2014)*
3.	Hrana i okolišni uzorci *Food, and environmental samples*	Horizontalna metoda za dokazivanje prisutnosti i određivanje broja *Listeria monocytogenes* i drugih *Listeria spp.* – 1. dio: Metoda dokazivanja prisutnosti *Horizontal method for the detection and enumeration of* broja *Listeria monocytogenes* and other *Listeria spp. -- Part 1: Detection method*	HRN EN ISO 11290-1:2017 *(ISO 11290-1:2017; EN ISO 11290-1:2017)*
4.	Hrana *Food*	Metoda za dokazivanje antigena bakterije *Salmonella* spp. VIDAS® metodom *Method for the detection of Salmonella spp. antigen using* VIDAS® *method*	Metoda prema uputi Vitek Immuno Diagnostic Assay System (VIDAS®), bioMerieux; *Method according to the manual Vitek Immuno Diagnostic Assay System (VIDAS®), bioMerieux;* Oznaka/*Code*: P-MIK-12 Izdanje/*Edition*: 1/4 Datum/*Date*: 2019-04-11

Br. ***No.***	**Materijali/Proizvodi** Materials/Products	**Vrsta ispitivanja/Svojstvo** *Type of test/Property* ***Raspon****/Range*	**Metoda ispitivanja** Test method
5.	Hrana *Food*	Metoda za dokazivanje antigena bakterije *Listeria monocytogenes* VIDAS® metodom *Method for the detection of Listeria monocytogenes antigen using* VIDAS® *method*	Metoda prema uputi Vitek Immuno Diagnostic Assay System (VIDAS®), bioMerieux; *Method according to the manual Vitek Immuno Diagnostic Assay System (VIDAS®), bioMerieux;* Oznaka/*Code*: P-MIK-13 Izdanje/*Edition*: 1/4 Datum/*Date*: 2019-04-11
6.	Hrana i okolišni uzorci *Food and environmental samples*	Horizontalna metoda za imunoenzimsko dokazivanje prisutnosti stafilokoknih enterotoksina u hrani *Horizontal method for the immunoenzymatic detection of staphylococcal enterotoxins in foodstuffs*	HRN EN ISO 19020:2017 *(ISO 19020:2017; EN ISO 19020:2017)*
7.	Hrana i okolišni uzorci *Food and environmental samples*	Horizontalna metoda za dokazivanje prisutnosti i određivanje broja koagulaza pozitivnih stafilokoka (*Staphylococcus aureus* i druge vrste) – 1. dio: Postupak primjene Baird-Parker agara *Horizontal method for the detection and enumeration of coagulase-positive staphylococcus (Staphyloccocus aureus and other species) – Part 1: Technique using Baird-Parker agar medium*	HRN EN ISO 6888-1:2021 *(ISO 6888-1:2021; EN ISO 6888-1:2021)*
8.	Hrana *Food*	Horizontalna metoda za brojenje koagulaza pozitivnih stafilokoka (*Staphylococcus aureus* i druge vrste)- 3. dio: Izolacija i MPN postupak za male brojeve *Horizontal method for the detection and enumeration of coagulase-positive staphylococcus (Staphyloccocus aureus and other species)- Part 3: Detection and MPN technique for low numbers*	HRN EN ISO 6888-3:2004 *(ISO 6888-3:2003 EN ISO 6888-3:2003)* HRN EN ISO 6888-3:2004/Ispr.1:2008 *(ISO 6888-3:2003/AC:2005; EN ISO 6888-3:2003/AC:2005)*

Br. ***No.***	**Materijali/Proizvodi** Materials/Products	**Vrsta ispitivanja/Svojstvo** *Type of test/Property* ***Raspon****/Range*	**Metoda ispitivanja** Test method
9.	Hrana i okolišni uzorci *Food and environmental samples*	Horizontalna metoda za dokazivanje prisutnosti i određivanje broja *Enterobacteriaceae* – 2. dio: Postupak određivanja broja kolonija *Horizontal method for the detection and enumeration of Enterobacteriaceae – Part 2: Colony-conut technique*	HRN EN ISO 21528-2:2017 *(ISO 21528-2:2017; EN ISO 21528-2:2017)*
10.	Hrana i okolišni uzorci *Food and environmental samples*	Horizontalna metoda za dokazivanje prisutnosti i određivanje broja *Enterobacteriaceae* – 1. dio: Dokazivanje prisutnosti *Horizontal method for the detection and enumeration of Enterobacteriaceae – Part 1: Detection method*	HRN EN ISO 21528-1:2017 *(ISO 21528-1:2017; EN ISO 21528-1:2017)*
11.	Hrana i okolišni uzorci *Food and environmental samples*	Horizontalna metoda za dokazivanje prisutnosti i određivanje broja *Listeria monocytogenes i drugih Listeria spp.* – 2. dio: Metoda određivanja broja *Horizontal method for the detection and enumeration of Listeria monocytogenes and other Listeria spp. – Part 2: Enumeration method*	HRN EN ISO 11290-2:2017 *(EN ISO* 11290-*2:2017; ISO* 11290-*2:2017)*
12.	Hrana *Food*	Horizontalna metoda za *brojenje Bacillus cereus* – Tehnika brojenja kolonija pr 30°C *Horizontal method for the enumeration of presumptive Bacillus cereus – Colony-count technique at 30*°C	HRN EN ISO 7932:2005 *(ISO 7932:2004; EN ISO 7932:2004)*
13.	Hrana i okolišni uzorci *Food and environmental samples*	Horizontalna metoda za dokazivanje prisutnosti i određivanje broja *Campylobacter* spp. – 1. dio: Dokazivanje prisutnosti *Horizontal method for the detection and enumeration of Campylobacter spp. – Part 1: Detection method*	HRN EN ISO 10272-1:2017 *(ISO 10272-1:2017; EN ISO 10272-1:2017)*
14.	Hrana i okolišni uzorci *Food and environmental samples*	Horizontalna metoda za dokazivanje prisutnosti *Cronobacter* spp. *Horizontal method for the detection of Cronobacter spp.*	HRN EN ISO 22964:2017 *(ISO 22964:2017; EN ISO 22964:2017)*

Br. ***No.***	**Materijali/Proizvodi** Materials/Products	**Vrsta ispitivanja/Svojstvo** *Type of test/Property* ***Raspon****/Range*	**Metoda ispitivanja** Test method
15.	Hrana i okolišni uzorci *Food and environmental samples*	Horizontalna metoda za određivanje broja mikroorganizama – Tehnike određivanja broja kolonija na 30°C *Horizontal method for the enumeration of microorganisms - Colony count techniques at 30°C*	HRN EN ISO 4833-1:2013 *(ISO 4833-1:2013; EN ISO 4833-1:2013)* HRN EN ISO 4833-1:2013 /A1:2022 *(ISO 4833-1:2013 /Amd1:2022; EN ISO 4833-1:2013 /A1:2022)* *HRN EN ISO 4833-2:2013 (ISO 4833-2:2013; EN ISO 4833-2:2013* *HRN EN ISO 4833-2:2013/ Ispr.1:2014 (ISO 4833-2:2013/ Cor.1:2014; EN ISO 4833-2:2013 /AC:2014)* *HRN EN ISO 4833-2:2013/A1:2022 (ISO 4833-2:2013/Amd 1:2022; EN ISO 4833-2:2013/Amd 1:2022)*
16.	Hrana *Food*	Horizontalna metoda za brojenje kvasaca i plijesni – 1. dio: Tehnika brojenja kolonija u proizvodima s aktivitetom vode većom od 0,95; -2. dio: Tehnika brojenja kolonija u proizvodima s aktivitetom vode manjim ili jednakim od 0,95 *Horizontal method for the enumeration of yeasts and moulds – Part 1: Colony-count technique in products with water activity greater than 0,95; -Part 2: Colony-count technique in products with water activity less than or equal to 0,95*	HRN ISO 21527-1:2012 *(ISO 21527-1:2008)* HRN ISO 21527-2:2012 *(ISO 21527-2:2008)*

Br. ***No.***	**Materijali/Proizvodi** Materials/Products	**Vrsta ispitivanja/Svojstvo** *Type of test/Property* ***Raspon****/Range*	**Metoda ispitivanja** Test method
17.	Hrana *Food*	Metoda brojenja beta-glukuronidaza pozitivne *Escherichia coli – 2. dio* Brojenje kolonija pri 44°C uporabom 5-bromo-4 chloro-3-indolyl beta-D-glucuronide *Horizontal method for the enumeration of beta-glucuronidase-positive Escherichia coli –Part 2: Colony-count technique at 44°C using 5-bromo-4 chloro-3-indolyl beta-D-glucuronide*	HRN ISO 16649-2:2001 *(ISO 16649-2:2001)*
18.	Hrana i okolišni uzorci *Food and environmental samples*	Horizontalna metoda za dokazivanje i određivanje broja *Clostridium spp.* – 1. dio: Određivanje broja sulfitreducirajućih-*Clostridium spp.* tehnikom brojenja kolonija *Horizontal method for the detection and enumeration of Clostridium spp. – Part 1: Enumeration of sulfite-reducing- Clostridium spp. by Colony-count technique*	HRN EN ISO 15213-1:2023 *(ISO 15213-1:2023; EN ISO 15213-1:2023)*
19.	Hrana *Food*	Određivanje aktiviteta vode *Determination of water activity*	HRN ISO 18787:2020 *(ISO 18787:2017)*
20.	Mikrobiološke hranjive podloge *Microbiological culture media*	Ispitivanje fizikalno-kemijskih (boja, homogenost, konzistencija agara i pH vrijednost) i mikrobioloških (produktivnost, selektivnost, specifičnost i sterilnost) svojstava hranjive podloge *Testing of physical and chemical (color, homogeneity, consistency of the agar and pH value) and the microbial (productivity, selectivity, specificity and sterility) properties of culture media*	HRN EN ISO 11133:2014 *(ISO 11133:2014; EN ISO 11133:2014)* HRN EN ISO 11133:2014/ A1:2018/ *(ISO 11133:2014 /Amd 1:2018; EN ISO 11133:2014/ A1:2018/A1:2018*) HRN EN ISO 11133:2014/A2:2020 *(ISO 11133:2014/Amd 2:2020; EN ISO 11133:2014/A2:2020)*
21.	Okolišni uzorci *Enviromental samples*	Horizontalne metode za postupke uzorkovanja s površina *Horizontal methods for surfaces sampling*	HRN EN ISO 18593:2019 *(ISO 18593:2018; EN ISO 18593:2018)*

Br. ***No.***	**Materijali/Proizvodi** Materials/Products	**Vrsta ispitivanja/Svojstvo** *Type of test/Property* ***Raspon****/Range*	**Metoda ispitivanja** Test method
22.	Hrana i okolišni uzorci *Food and environmental samples*	Horizontalna metoda za dokazivanje hepatitis A virusa i norovirusa upotrebom RT-PCR u stvarnom vremenu – 2. dio: Metoda dokazivanja *Horizontal method for determination of hepatitis A virus and norovirus using real-time RT-PCR – Part 2: Method for detection*	HRN EN ISO 15216-2:2019 (*EN ISO 15216-2:2019; ISO 15216-2:2019*)
23.	Vino, bezalkoholna osvježavajuća pića, riba i proizvodi ribarstva i suho voće *Wine, non-alcoholic refreshing drinks, fish and fishery products and dried fruits*	Određivanje sumporovog dioksida titrimetrijski uz prethodnu destilaciju *Determination of sulphur dioxide – Titrimetric method with prior distillation*	Vlastita metoda *In-house method* Oznaka/*Code*: P-ADIT-12 Izdanje/*Edition*: 1/3 Datum/*Date*: 2024-05-21
24.	Meso, mesni proizvodi i smjese aditiva *Meat, meat products and mixtures of additives*	Određivanje sadržaja ukupnih fosfata i polifosfata spektrofotometrijskom metodom *Determination of total phosphate and polyphosphate content by spectrophotometric method*	Vlastita metoda *In-house method* Oznaka/*Code*: P-ADIT-13 Izdanje/*Edition*: 1/1 Datum/*Date*: 2023-11-03
25.	Meso, mesni proizvodi i smjese aditiva *Meat, meat products and mixtures of additives*	Određivanje nitrita spektrofotometrijskom metodom *Determination of nitrite by spectrophotometric method*	Vlastita metoda *In-house method* Oznaka/*Code*: P-ADIT-14 Izdanje/*Edition*: 1/1 Datum/*Date*: 2024-05-17
26.	Hrana: dodaci prehrani, hrana za posebne medicinske potrebe i izotonični napici *Food: food supplements, food for special medical purposes and isotonic beverages*	Određivanje ukupne osmolalnosti krioskopskim osmometrom *Determination of total osmolality by cryoscopic osmometer* Osmolalitet/*Osmolality* Od/*from* 0 do/*to* 850 mOsm/kg	Vlastita metoda *In-house method* Oznaka/*Code*: P- DPBAPAT-10 Izdanje/*Edition:* 2/1 Datum/*Date:* 2024-02-15
27.	Hrana i dodaci prehrani *Food and food supplements*	Određivanje glutena u hrani i dodacima prehrani *Determination of gluten in food and food supplements*	Vlastita metoda *In-house method* Oznaka/*Code*: P- DPBAPAT-11 Izdanje/*Edition:* 1/2 Datum/*Date:* 2024-02-15

Br. ***No.***	**Materijali/Proizvodi** Materials/Products	**Vrsta ispitivanja/Svojstvo** *Type of test/Property* ***Raspon****/Range*	**Metoda ispitivanja** Test method
28.	Voćni sokovi i nektari, sirupi i osvježavajuća pića *Fruit juices and nectars, syrups and beverages*	Određivanje fruktoze, glukoze i saharoze metodom tekućinske kromatografije visoke djelotvornosti (HPLC) *Determination of fructose, glucose and sucrqose by high performance liuid chromatography (HPLC)*	Vlastita metoda *In-house method* Oznaka/*Code*: P-KVH-5 Izdanje/*Edition*: 2/2 Datum/*Date*: 2017-03-16
29.	Hrana osim svježeg mlijeka *Food exept fresh milk*	Određivanje ukupnog dušika koristeći Dumas metodu *Determination of the total nitrogen content according to the Dumas principle*	Vlastita metoda *In-house method* Oznaka/*Code*: P-KVH-6 Izdanje/*Edition*: 2/1 Datum/*Date*: 2023-05-16
30.	Hrana *Food*	Određivanje ukupne masti metodom po M. Weibll-u i W. StoldT-u *Determination of total fat method by M. Weibll and W. Stoldt*	Vlastita metoda *In-house method* Oznaka/*Code*: P-KVH-7 Izdanje/*Edition*: 1/4 Datum/*Date*: 2023-05-16
31.	Hrana *Food*	Određivanje suhe tvari i vode halogenim vlagomjerom Mettler Toledo HX204 *Determination of moisture and dry matter by Mettler Toledo moisture Analyzer HX204*	Vlastita metoda *In-house method* Oznaka/*Code*: P-KVH-9 Izdanje/*Edition*: 1/5 Datum/*Date*: 2023-05-16
32.	Hrana *Food*	Određivanje ukupnog pepela direktnim spaljivanjem na 550°C *Determination of total ash by direct burning at* 550°C	Vlastita metoda *In-house method* Oznaka/*Code*: P-KVH-10 Izdanje/*Edition*: 1/3 Datum/*Date*: 2023-05-16
33.	Kikiriki i proizvodi od kikirikija (kikiriki paste), suho voće, žitarice, orašasti plodovi i začini *Peanuts and peanuts paste, dried fruit, cereals, nuts, spices*	Određivanje aflatoksina B1, B2, G1 i G2 i ukupnih aflatoksina HPLC metodom s postkolumskom derivatizacijom i čišćenjem preko imunoafinitetnih kolona *Determination of aflatoxins B1, B2, G1, G2 and total aflatoxins by HPLC with post column derivatization and immunoaffinity column cleanup*	Vlastita metoda *In-house method* Oznaka/*Code*: P-OMK-2 Izdanje/*Edition*: 3/6 Datum/*Date*: 2024-04-01 modificirana/*modified* HRN EN 14123:2008 *(EN 14123:2007)*

Br. ***No.***	**Materijali/Proizvodi** Materials/Products	**Vrsta ispitivanja/Svojstvo** *Type of test/Property* ***Raspon****/Range*	**Metoda ispitivanja** Test method
34.	Žitarice, pržena kava, začini, vino *Cereals, roasted coffee, spices, wine*	Određivanje okratoksina A metodom tekućinske kromatografije visokog učinka (HPLC) s čišćenjem na imunoafinitetnoj koloni *Determination of ochratoxin A by HPLC method with immunoaffinity column clean up*	Vlastita metoda *In-house method* Oznaka/*Code*: P-OMK-3 Izdanje/*Edition*: 2/0 Datum/*Date*: 2024-03-15
35.	Žitarice, dodaci prehrani na bazi crvene riže fermentirane crvenim kvascem *Monascus purpureus Cereals, food supplements based on rice fermented with red yeast Monascus purpureus*	Određivanje citrinina metodom tekućinske kromatografije visokog učinka (HPLC) s čišćenjem na imunoafinitetnoj koloni *Determination of citrinin by HPLC method with immunoaffinity column clean up*	Vlastita metoda *In-house method* Oznaka/*Code*: P-OMK-6 Izdanje/*Edition*: 2/1 Datum/*Date*: 2023-04-01
36.	Riba i proizvodi od ribe *Fish and fishery product*	Određivanje histamina u ribi i proizvodima od ribe - metodom HPLC *Determination of histamine in fish and fishery product by HPLC*	HRN EN ISO 19343:2017 *(ISO 19343:2017; EN ISO 19343:2017)*

Br. ***No.***	**Materijali/Proizvodi** Materials/Products	**Vrsta ispitivanja/Svojstvo** *Type of test/Property* ***Raspon***/*Range*	**Metoda ispitivanja** Test method
37.	Hrana biljnog porijekla Voće i povrće Visok udio vode *Food of plant origin* *Fruit and vegetables* *High water content*	**QuEChERS** **GC-MS/MS – 123 Pesticida/123 Pesticides:** 2-fenilfenol/*2-phenylphenol*, Acetoklor/*acetochlor*, Aldrin/*aldrin*, Amitraz/*amitraz*, Atrazin/*atrazine*, Bifenil/*biphenyl*, Bifentrin/*byphentrin*, Bitertanol/*bitertanol*, Boskalid/*boscalid*, Bromofos-etil/*bromophos-ethyl*, Bromofos-metil/*bromophos-methyl*, Bromopropilat/*bromopropilate*, Bupirimat/*bupirimate*, Buprofezin/*buprofezin*, Ciflutrin I/*cyfluthrin I*, Ciflutrin II/*cyfluthrin II*, Ciflutrin III/*cyfluthrin III*, Ciflutrin IV/*cyfluthrin IV*, Cipermetrin II/*cypermethrin II*, Cipermetrin III/*cypermethrin III*, Cipermetrin IV/*cypermethrin IV*, Cipermetrin I/*cypermethrin I*, Ciprodinil/*cyprodinil*, DDD-p,p/*DDD-p,p*, DDE-p,p/*DDE-p,p,DDT-o,p*/*DDT-o,p*, DDT-p,p/*DDT-p,p*, Deltametrin-cis/*deltamethrin-cis*, Deltametrin-trans/*deltamethrin-trans*, Dialifos/*dialiphos*, Diazinon/*diazinon*, Dieldrin/*dieldrin*, Difenilamin/*difenilamine*, Diklofluanid/*dichlofluanid*, Dikofol/*dicofol*, Diklorvos/*dichlorvos*, Dikrotofos/*dicrotophos*, Endosulfan-alfa/*endosulfan-alpha*, Endosulfan-beta/*endosulfane-beta*, Endosulfan-sulfat/*endosulfan-sulphate*, Endrin/*endrin*, EPN/*EPN*, Esfenvalerat/*esfenvalerate*, Etion/*ethion*, Fenarimol/*fenarimol*, Fenazakvin/*fenazaquin*, Fenitrotion/*fenitrothion*, Fenklorfos/*fenchlorphos*, Fenopropatrin/*fenpropathrin*, Fenotrin-cis/*phenotryn-cis*, Fenotrin-trans/*phenotryn-trans*, Fention/*fenthion,* Fentoat/*phenthoate*, Fenvalerat/*fenvalerate*, Fludioksonil/*fludioxonil*, Fipronil/*fipronil*, Flusilazol/*flusilazole*, Flutriafol/*flutriafol*, Fonofos/*fonophos*, Fosalon/*phosalone*, Fosmet/*fosmet*, Haloksifop-2-etoksietil/*haloxyfop-2-etoxyethyl*, Haloksifop-metil/*haloxyfop-methyl*, HCH-alfa/*HCH-alpha*, HCH-beta/*HCH-beta*, HCH-delta/*HCH-delta*, HCH-gama (Lindan)/*HCH-gama (Lindane)*, Heksaklorbenzen HCB/*hexachlorobenzene HCB*, Heptaklor/*heptachlor*, Heptaklorepoksid-cis/*heptachlorepoxide-cis*, Heptaklorepoksid-trans/*heptachlorepoxide-trans*, Heptenofos/*heptenophos*, Iprodion/*iprodione*, Izofenofos/*isophenphos*, Izoprokarb/*isoprocarb*, Klordan-cis/*chlordan-cis*, Klordan-trans/*chlordan-trans*, Klorfenapir/*chlorfenapyr*, Klorfenvinfos/*chlorfenvinphos*, Klormefos/*chlormephos*, Klorpirifos/*chlorpyrifos*, Klorpirifos-metil/*chlorpyrifos-methyl*, Klorprofam/*chlorprofam*, Klorotalonil/*chlorothalonil*, Kumafos/*coumaphos*, Lambda cihalotrin/*lambda cyhalothrin*, Metidation/*methidation*, Metoksiklor/*metoxychlor*, Miklobutanil/*myclobutanil*, Oksadiksil/*oxadixyl*, Paklobutrazol/*paclobutrazol*, Paration-etil/*Parathion-ethyl*, Paration-metil/*parathion-methyl*, Pendimetalin/*pendimethalin,* Permetrin I/*permethrin I*, Permetrin II/*permethrin II*, Pirazofos/*pyrazophos*, Piridaben/*pyridaben*, Pirimetanil/*pyrimethanil*, Pirimifos-etil/*pirimiphos-ethyl*, Pirimifos-metil/*pirimiphos-methyl*, Pirimikarb/*pirimicarb*, Procimidon/*procimidone*, Profenofos/*profenophos*, Propargit/*propargite*, Propizamid/*propizamide*, Protiofos/*prothiofos*, Resmetrin-cis/*resmetrine-cis*, Resmetrin-trans/*resmetrine-trans*, Simazin/*simazine*, Tau-fluvalinat I/*tau-fluvalinate I*, Tau-fluvalinat II/*tau-fluvalinate II*, Tebukonazol/*tebuconazole*, Teflutrin/*teflutrin*, Tetradifon/*tetradiphone*, Tetraklorvinfos/*tetrachlorvinphos*, Tetrametrin-cis/*tethramethrin-cis*, Tetrametrin-trans/*tethramethrin-trans*, Tolilfluanid/*tolylfluanid*, Tolklofos metil/*tolclofos-methyl*, Transflutrin/*transfluthrine*, Trifluralin/*trifluralin*, Vinklozolin/*vinclozolin* **LC-MS/MS – 119 Pesticida/119 Pesticides:** 2,4-D /*2,4-D*, Ametoktradin/*ametoctradin*, Acefat/*acephat*, Acetamiprid/*acetamiprid*, Aldikarb/*aldicarb*, Aldikarb-sulfoksid/*aldicarb-sulphoxid*, Aldikarb-sulfon/*aldicarb-sulphone*, Azinfos-etil/*azynphos-ethyl*, Azinfos metil/*azynphos methyl*, Azoksistrobin/*azoxystrobin*, Benfurakarb/*benfuracarb*, Cifenotrin/*cyphenotrin*, Cimoksanil/*cymoxanil*, Ciprokonazol/*cyproconazole*, Ciromazin/*cyromazine*, Demeton-S-metil sulfon/*demeton-S-methyl sulfone*, Dietofenkarb/*diethofencarb*, Difenokonazol/*diphenoconazole*, Diflubenzuron/*diflubenzurone*, Dimetoat/*dimethoate*, Dimetomorf/*dimethomorph*, Dinikonazol/*diniconazole*, Dodin/*dodine*, Epoksikonazol/*epoxiconazole*, Etirimol/*ethirimol*, Etofenproks/*ethofenprox*, Etoprofos/*ethoprofos*, Fenamidon/*fenamidone*, Fenamifos sulfon/*fenamyphos sulfone*, Fenamifos/*phenamiphos*, Fenbukonazol/*fenbuconazole*, Fenheksamid/*fenhexamid*, Fenoksikarb/*fenoxicarb*, Fenpiroksimat/*fenpyroximate,* Fenpropimorf/*phenpropymorph*, Fention sulfoksid/*fenthion sulfoxide*, Fention-okson-sulfoksid/*fenthion-oxon-sulfoxide*, Fluazifop/*fluazifop*, Flubendiamid/*fluobendiamide*, Flufenoksuron/*fluphenoxuron*, Fluksapiroksad/*fluxapyroxad*, Flukvinkonazol/*fluquinconazole*, Fluopiram/*fluopyrame*, Foksim/*phoxim*, Formetanat/*formethanate*, Formotion/*formothion*, Fostiazat/*fosthiazat*, Heksakonazol/*hexaconazole*, Heksitiazoks/*hexythiazox*, Imazalil/*imazalil*, Imidakloprid/*imidacloprid*, Indoksakarb/*indoxacarb*, Iprovalikarb/*iprovalicarb*, Izofenfos-metil/*isophenphos-methyl*, Izokarbofos/*isocarbophos*, Karbaril/*carbaryl*, Karbendazim/*carbendazime*, Karbofuran/*carbofuran*, Karbosulfan/*carbosulphan*, Klofentezin/*chlophentezin*, Klorantraniliprol/*chlorantraniliprol*, Klotianidin/*clothianidin*, Krezoksim-metil/*kresoxym-methyl*, Kvinoksifen/*quinoxyfen*, Linuron/*linuron*, Lufenuron/*lufenuron*, Malation/*malathion*, Mandipropamid/*mandipropamid*, Mepanipirim/*mepanipyram*, Meptildinokap/*meptyldinicap*, Metalaksil/*metalaxyl*, Metamidofos/*methamidophos*, Metiokarb/*metiocarb*, Metiokarb sulfoksid/*methiocarb sulfoxide*, Metkonazol/*methconazole*, Metobromuron/*methobromuron*, Metoksifenozid/*metoxyphenozide*, Metomil/*methomyl*, Monokrotofos/*monochrotophos*, Nitenpiram/*nitenpyram*, Oksamil/*oxamyl*, Ometoat/*omethoat*, Paraokson-etil/*paraoxon-ethyl*, Penkonazol/*penconazole*, Pensikuron/*pencycuron*, Pimetrozin/*pymetrosine*, Piraklostrobin/*pyraclostrobin*, Piretrini/*pyretrins*, Pirimikarb-desmetil/*pyrimicarb desmethyl*, Piriproksifen/*pyriproxyfen*, Prokloraz/*procloraz*, Propamokarb/*propamocarb*, Propikonazol/*propiconazole*, Propoxur/*Propoxur*, Protiokonazol/*prothioconazole*, Rotenon/*rotenone*, Spinosad A/*spinosad A*, Spinosad D/*spinosad D*, Spirodiklofen/*spirodyclophen*, Spiroksamin/*spiroxamine*, Spiromezifen/*spiromesifen*, Tebufenozid/*tebuphenozide*, Tebufenpirad/*tebufenpyrad*, Teflubenzuron/*teflubenzuron*, Terbutilazin/*terbutylazine*, Tetrakonazol/*tetraconazole*, Tiabendazol/*thiabendazole*, Tiakloprid/*thiaclopryd*, Tiametoksam/*thiametoxam*, Tiodikarb/*tiodicarb*, Tiofanat-metil/*tyophanate-methyl*, Triadimefon/*triadimefon*, Triadimenol/*triadimenol*, Triazofos/*triazophos*, Trifloksistrobin/*tryfloxystrobin*, Triflumuron/*triflumuron*, Triklorfon/*trichlorfon*, Tritikonazol/*triticonazole*, Zoksamid/*zoxamide*	Multirezidualna metoda za određivanje ostataka pesticida u uzorcima voća i povrća - Modularna metoda QuEChERS *Multiresidue method for the determination of pesticides residues in fruit and vegetables – Modular QuEChERS method* Vlastita metoda *In-house method* Oznaka/*Code*: P-PEST-8 Izdanje/*Edition*: 2/4 Datum/*Date*: 2025-04-28 modificirana/*modified* HRN EN 15662:2018 *(EN 15662:2018)*

Br. ***No.***	**Materijali/Proizvodi** Materials/Products	**Vrsta ispitivanja/Svojstvo** *Type of test/Property* ***Raspon***/*Range*	**Metoda ispitivanja** Test method
38.	Hrana biljnog porijekla Voće i povrće Visok udio kiseline i vode *Food of plant origin* *Fruit and vegetables* *High acid and water content*	**QuEChERS** **GC-MS/MS – 123 Pesticida/123 Pesticides:** 2-fenilfenol/*2-phenylphenol*, Acetoklor/*acetochlor*, Aldrin/*aldrin*, Amitraz/*amitraz*, Atrazin/*atrazine*, Bifenil/*biphenyl*, Bifentrin/*byphentrin*, Bitertanol/*bitertanol*, Boskalid/*boscalid*, Bromofos-etil/*bromophos-ethyl*, Bromofos-metil/*bromophos-methyl*, Bromopropilat/*bromopropilate*, Bupirimat/*bupirimate*, Buprofezin/*buprofezin*, Ciflutrin I/*cyfluthrin I*, Ciflutrin II/*cyfluthrin II*, Ciflutrin III/*cyfluthrin III*, Ciflutrin IV/*cyfluthrin IV*, Cipermetrin II/*cypermethrin II*, Cipermetrin III/*cypermethrin III*, Cipermetrin IV/*cypermethrin IV*, Cipermetrin *I*/*cypermethrin I*, Ciprodinil/*cyprodinil*, DDD-p,p/*DDD-p,p*, DDE-p,p/*DDE-p,p*,DDT-o,p/*DDT-o.p.* DDT-p,p/*DDT-p,p*, Deltametrin-cis/*deltamethrin-cis*, Deltametrin-trans/*deltamethrin-trans*, Dialifos/*dialiphos*, Diazinon/*diazinon*, Dieldrin/*dieldrin*, Difenilamin/*difenilamine*, Diklofluanid/*dichlofluanid*, Dikofol/*dicofol*, Diklorvos/*dichlorvos*, Dikrotofos/*dicrotophos*, Endosulfan-alfa/*endosulfan-alpha*, Endosulfan-beta/*endosulfan-beta*, Endosulfan-sulfat/*endosulfan-sulphate*, Endrin/*endrin*, EPN/*EPN*, Esfenvalerat/*esfenvalerate*, Etion/*ethion*, Fenarimol/*fenarimol*, Fenazakvin/*fenazaquin*, Fenitrotion/*fenitrothion*, Fenklorfos/*fenchlorphos*, Fenpropatrin/*fenpropathrin*, Fenotrin-cis/*phenotryn-cis*, Fenotrin-trans/*phenotryn-trans*, Fention/*fenthion*, Fentoat/*phenthoate*, Fenvalerat/*fenvalerate*, Fludioksonil/*fludioxonil*, Fipronil/*fipronil*, Flusilazol/*flusilazole*, Flutriafol/*flutriafol*, Fonofos/*fonophos*, Fosalon/*phosalone*, Fosmet/*fosmet*, Haloksifop-2-etoksietil/*haloxyfop-2-etoxyethyl*, Haloksifop-metil/*haloxyfop-methyl*, HCH-alfa/*HCH-alpha*, HCH-beta/*HCH-beta*, HCH-delta/*HCH-delta*, HCH-gama(Lindan)/*HCH-gama (Lindane),* Heksaklorbenzen HCB/*hexachorobenzene HCB*, Heptaklor/*heptachlor*, Heptaklorepoksid-cis/*heptachlorepoxide-cis*, Heptaklorepoksid-trans/*heptachlorepoxide-trans*, Heptenofos/*heptenophos*, Iprodion/*iprodione*, Izofenofos/*isophenphos*, Izoprokarb/*isoprocarb*, Klordan-cis/*chlordan-cis*, Klordan-trans/*chlordan-trans*, Klorfenapir/*chlorfenapyr*, Klorfenvinfos/*chlorfenvinphos*, Klormefos/*chlormephos*, Klorpirifos/*chlorpyrifos*, Klorpirifos-metil/*chlorpyrifos-methyl*, Klorprofam/*chlorprofam*, Klorotalonil/*chlorothalonil*, Kumafos/*coumaphos*, Lambda cihalotrin/*lambda cyhalothrin*, Metidation/*methidation*, Metoksiklor/*metoxychlor*, Miklobutanil/*miclobutanil*, Oksadiksil/*oxadixyl*, Paklobutrazol/*paclobutrazol*, Paration-etil/*Parathion-ethyl*, Paration-metil/*parathion-methyl*, Pendimetalin/*pendimethalin*, Permetrin I/*permethrin I*, Permetrin II/*permethrin II*, Pirazofos/*pyrazophos*, Piridaben/*pyridaben*, Pirimetanil/*pyrimethanil*, Pirimifos-etil/*pirimiphos-ethyl*, Pirimifos-metil/*pirimiphos-methyl*, Pirimikarb/*pirimicarb*, Procimidon/*procimidone*, Profenofos/*profenophos*, Propargit/*propargite*, Propizamid/*propizamide*, Protiofos/*prothiofos*, Resmetrin-cis/*resmetrine-cis*, Resmetrin-trans/*resmetrine-trans*, Simazin/*simazine*, Tau-fluvalinat I/*tau-fluvalinate I*, Tau-fluvalinat II/*tau-fluvalinate II*, Tebukonazol/*tebuconazole*, Teflutrin/*teflutrin*, Tetradifon/tetradiphone, *Tetraklorvinfos/tetrachlorvinphos*, Tetrametrin-cis/*tethramethrin-cis,* Tetrametrin-trans/*tethramethrin-trans*, Tolilfluanid/*tolylfluanid*, Tolklofos metil/*tolclofos-methyl*, Transflutrin/*transfluthrine*, Trifluralin/*trifluralin*, Vinklozolin/*vinclozolin* **LC-MS/MS – 119 Pesticida/119 Pesticides:** 2,4-D/*2,4-D*, Ametoktradin/*ametoctradin*, Acefat/*acephat*, Acetamiprid/*acetamiprid*, Aldikarb/*aldicarb*, Aldikarb-sulfoksid/*aldicarb-sulphoxid*, Aldikarb-sulfon/*aldicarb-sulphone*, Azinfos-etil/*azynphos-ethyl*, Azinfos metil/*azynphos methyl*, Azoksistrobin/*azoxystrobin*, Benfurakarb/*benfuracarb*, Cifenotrin/*cyphenotrin*, Cimoksanil/*cymoxanil*, Ciprokonazol/*cyproconazole*, Ciromazin/*cyromazine*, Demeton-S-metil sulfon/*dem-S-methyl sulfone*, Dietofenkarb/*diethofencarb,* Difenokonazol/*diphenoconazole*, Diflubenzuron/*diflubenzurone*, Dimetoat/*dimethoate*, Dimetomorf/*dimethomorph*, Dinikonazol/*diniconazole*, Dodin/*dodine*, Epoksikonazol/*epoxiconaole*, Etirimol/*ethirimol*, Etofenproks/*ethofenprox*, Etoprofos/*ethoprofos*, Fenamidon/*fenamidone*, Fenamifos sulfon/*fenamyphos sulfone*, Fenamifos/*phenamiphos*, Fenbukonazol/*fenbuconazole*, Fenheksamid/*fenhexamid*, Fenoksikarb/*fenoxicarb*, Fenpiroksimat/*fenpyroximate*, Fenpropimorf/*phenpropymorph*, Fention sulfoksid/*fenthion sulfoxide*, Fention-okson-sulfoksid/*fenthion-oxon-sulfoxide*, Fluazifop/*fluasifop*, Flubendiamid/*fluobendiamide*, Flufenoksuron/*fluphenoxuron*, Fluksapiroksad/*fluxapyroxad*, Flukvinkonazol/*fluqvinconazol*, Fluopiram/*fluopyrame*, Foksim/*phoxim*, Formetanat/*formethanate*, Formotion/*formothion*, Fostiazat/*fosthiazat*, Heksakonazol/*hexaconazole*, Heksitiazoks/*hexythiazox*, Imazalil/*imazalil*, Imidakloprid/*imidacloprid*, Indoksakarb/*indoxacarb*, Iprovalikarb/*iprovalicarb*, Izofenfos-metil/*isophenphos-methyl*, Izokarbofos/*isocarbophos*, Karbaril/*carbaryl*, Karbendazim/*carbenzamide*, Karbofuran/*carbofuran*, Karbosulfan/*carbosulphan*, Klofentezin/*chlophentezin*, Klorantraniliprol/*chlorantraniliprol*, Klotianidin/*clothianidin*, Krezoksim-metil/*kresoxym-methyl*, Kvinoksifen/*qinoxyfen*, Linuron/*linuron*, Lufenuron/*lufenuron*, Malation/*malathion*, Mandipropamid/*mandipropamid*, Mepanipirim/*mepanipyram*, Meptildinokap/*meptyldinicap*, Metalaksil/*metalaxyl*, Metamidofos/*methamidophos*, Metiokarb/*metiocarb*, Metiokarb sulfoksid/*methiocarb sulfoxide*, Metkonazol/*methconazole*, Metobromuron/*methobromuron*, Metoksifenozid/ *metoxyphenozide*, Metomil/*methomyl*, Monokrotofos/*monochrotophos*, Nitenpiram/*nitenpyram*, Oksamil/*oxamyl*, Ometoat/*omethoat*, Paraokson-etil/*paraoxon-ethyl*, Penkonazol/*penconazole*, Pensikuron/*pencycuron*, Pimetrozin/*pymetrosine*, Piraklostrobin/*pyraclostrobin*, Piretrini/*pyretrins*, Pirimikarb-desmetil/*pyrimicarb desmethyl*, Piriproksifen/*pyriproxyfen*, Prokloraz/*procloraz*, Propamokarb/*propamocarb*, Propikonazol/*propiconazole*, Propoxur/*Propoxur*, Protiokonazol/*prothioconazole*, Rotenon/*rotenone*, Spinosad A/*spinosad A*, Spinosad D/*spinosad D*, Spirodiklofen/*spirdyclophen*, Spiroksamin/*spiroxamine*, Spiromezifen/*spiromesifen*, Tebufenozid/*tebuphenozide*, Tebufenpirad/*tebufenpyrad*, Teflubenzuron/*teflubenzuron*, Terbutilazin/*terbutylazine*, Tetrakonazol/*tetraconazole*, Tiabendazol/*thiabendazole*, Tiakloprid/*thiaclopryd*, Tiametoksam/*thiametoxam*, Tiodikarb/*thiodicarb*, Tiofanat-metil/*tyophanate-methyl,* Triadimefon/*triadimefon*, Triadimenol/*triadimenol*, Triazofos/*triazophos*, Trifloksistrobin/*trifloxystrobin*, Triflumuron/*triflumuron*, Triklorfon/*trichlorfon*, Tritikonazol/*triticonazole*, Zoksamid/*zoxamide*	Multirezidualna metoda za određivanje ostataka pesticida u uzorcima voća i povrća - Modularna metoda QuEChERS *Multiresidue method for the determination of pesticides residues in fruit and vegetables – Modular QuEChERS method* Vlastita metoda *In-house method* Oznaka/*Code*: P-PEST-8 Izdanje/*Edition*: 2/4 Datum/*Date*: 2025-04-28 modificirana/*modified* HRN EN 15662:2018 *(EN 15662:2018)*

Br. ***No.***	**Materijali/Proizvodi** Materials/Products	**Vrsta ispitivanja/Svojstvo** *Type of test/Property* ***Raspon****/Range*	**Metoda ispitivanja** Test method
39.	Hrana biljnog porijekla Žitarice Visok udio škroba i/ili proteina i niski udio vode i masti *Food of plant origin* *Cereals* *High strarch and/or protein content and low water and fat content*	**QuEChERS** **GC-MS/MS – 118 Pesticida/118 Pesticides:** 2- fenilfenol/*2-phenylphenol*, Acetoklor/*acetochlor*, Aldrin/*aldrin*, Amitraz/*amitraz*, Atrazin/*atrazine*, Bifenil/*biphenyl*, Bifentrin/*byphentrin*, Bitertanol/*bitertanol*, Boskalid/*boscalid*, Bromofos-etil/*bromophos-ethyl*, Bromofos-metil/*bromophos-methyl*, Bromopropilat/*bromopropilate*, Bupirimat/*bupirimate*, Ciflutrin I/*cyfluthrin I*, Ciflutrin II/*cyfluthrin II*, Ciflutrin III/*cyfluthrin III*, Ciflutrin IV/*cyfluthrin IV*, Cipermetrin II/*cypermethrin II*, Cipermetrin III/*cypermethrin III*, Cipermetrin IV/*cypermethrin IV*, Cipermetrin I/*cypermethrin I*, Ciprodinil/*cyprodinil*, DDD-p,p/*DDD-p,p*, DDE-p,p/*DDE-p,p*, DDT-o,p/*DDT-o,p*, DDT-p,p/*DDT-p,p*, Deltametrin-cis/*deltamethrin-cis*, Deltametrin-trans/*deltamethrin-trans*, Dialifos/*dialiphos*, Diazinon/*diazinon*, Dieldrin/*dieldrin*, Difenilamin/*difenilamine*, Diklofluanid/*dichlofluanid*, Dikofol/*dicofol*, Diklorvos/*dichlorvos*, Endosulfan-alfa/*endosulfan-alpha*, Endosulfan-beta/*endosulfan-beta*, Endosulfan sulfat/*endosulfan-sulphate*, Endrin/*endrin*, EPN/*EPN*, Esfenvalerat/*esfenvalerate*, Etion/*ethion*, Fenarimol/*fenarimol*, Fenazakvin/*fenazaquin*, Fenitrotion/*fenitrothion*, Fenklorfos/*fenchlorphos*, Fenpropatrin/*fenpropathrin*, Fenotrin-cis/*phenotryn-cis*, Fenotrin-trans/*phenotry-trans*, Fention/*fenthion*, Fentoat/*phenthoate*, Fenvalerat/*fenvalerate*, Fipronil/*fipronil*, Fludioksonil/*fludioxonil*, Flusilazol/*flusilazol*, Flutriafol/*flutriafol*, Fonofos/*fonophos*, Fosalon/*phosalone*, Haloksifop-2-etoksietil/*haloxyfop-2-etoxyethyl*, Haloksifop-metil/*haloxyfop-methyl*, HCH-alfa/*HCH-alpha*, HCH-beta/*HCH-beta*, HCH-delta/*HCH-delta*, HCH-gama (Lindan)/*HCH-gama (Lindane)*, Heksaklorbenzen HCB/*hexachorobenzene HCB*, Heptaklor/*heptachlor*, Heptaklorepoksid-cis/*heptachlorepoxide-cis*, Heptaklorepoksid-trans/*heptachlorepoxide-trans*, Heptenofos/*heptenophos*, Iprodion/*iprodione*, Izofenofos/*isophenphos*, Klordan-cis/*chlordan-cis*, Klordan-trans/*chlordan-trans*, Klorfenapir/*chlorfenapyr*, Klorfenvinfos/*chlorfenvinphos*, Klormefos/*chlormephos*, Klorpirifos/*chlorpyrifos*, Klorpirifos-metil/*chlorpyrifos-methyl*, Klorprofam/*chlorprofam*, Klorotalonil/*chlorothalonil*, Kumafos/*coumaphos*, Lambda cihalotrin/*lambda cyhalothrin*, Metidation/*methidation*, Metoksiklor/*metoxychlor*, Miklobutanil/*miclobutanil*, Oksadiksil/*oxadixyl*, Paklobutrazol/*paclobutrazol*, Paration-etil/*Parathion-ethyl*, Paration-metil/*parathion-methyl*, Pendimetalin/*pendimethalin*, Permetrin I/*permethrin I*, Permetrin II/*permethrin II*, Pirazofos/*pyrazophos*, Piridaben/*pyridaben*, Pirimetanil/*pyrimethanil*, Pirimifos-etil/*pirimiphos-ethyl*, Pirimifos-metil/*pirimiphos-methyl*, Pirimikarb/*pirimicarb*, Procimidon/*procimidone*, Profenofos/*profenophos*, Propizamid/*propizamide*, Protiofos/*prothiofos*, Resmetrin-cis/*resmetrine-cis*, Resmetrin-trans/*resmetrine-trans*, Simazin/*simazine*, Tau-fluvalinat I/*tau-fluvalinate I*, Tau-fluvalinat II/*tau-fluvalinate II*, Tebukonazol/*tebuconazole*, Teflutrin/*teflutrin*, Tetradifon/*tetradiphone*, Tetraklorvinfos/*tetrachlorvinphos*, Tetrametrin-cis/*tethramethrin-cis*, Tetrametrin-trans/*tethramethrin-trans*, Tolilfluanid/*tolylfluanid*, Tolklofos metil/*tolclofos-methyl*, Transflutrin/*transfluthrine*, Trifluralin/*trifluralin*, Vinklozolin/*vinclozolin* **LC-MS/MS – 116 Pesticida/116 Pesticides:** 2,4-D /*2,4-D*, Ametoktradin/*ametoctradin*, Acefat/*acephat*, Acetamiprid/*acetamiprid*, Aldikarb/*aldicarb*, Aldikarb-sulfoksid/*aldicarb-sulphoxid*, Aldikarb-sulfon/*aldicarb-sulphone*, Azinfos-etil/*azynphos-ethyl*, Azinfos metil/*azynphos methyl*, Azoksistrobin/*azoxystrobin*, Benfurakarb/*benfuracarb*, Cimoksanil/*cymoxanil*, Ciprokonazol/*cyproconazole*, Ciromazin/*cyromazine*, Demeton-S-metil sulfon/demeton-S-methyl sulfone, Dietofenkarb/*diethofencarb*, Difenokonazol/*diphenoconazole*, Diflubenzuron/*diflubenzurone*, Dimetoat/*dimethoate*, Dimetomorf/*dimethomorph*, Dinikonazol/*diniconazole*, Diuron/*diuron*, Dodin/*dodine*, Epoksikonazol/*epoxiconazole*, Etirimol/*ethirimol*, Etofenproks/*ethofenprox*, Etoprofos/*ethoprofos*, Fenamidon/*fenamidone*, Fenamifos sulfon/*fenamyphos sulfone*, Fenamifos/*phenamiphos*, Fenbukonazol/*fenbuconazole*, Fenheksamid/*fenhexamid*, Fenoksikarb/*fenoxycarb*, Fenpiroksimat/*fenpyroximate*, Fenpropimorf/*phenpropymorph*, Fention sulfoksid/*fenthion sulfoxide*, Fluazifop/*fluazifop*, Flubendiamid/*fluobendiamide*, Flufenoksuron/*fluphenoxuron*, Fluksapiroksad/*fluxapyroxad*, Flukvinkonazol/*fluquinconazole*, Formotion/*formothion*, Fostiazat/*fosthiazat*, Heksakonazol/*hexaconazole*, Heksitiazoks/*hexythiazox*, Imazalil/*imazalil*, Imidakloprid/*imidacloprid*, Indoksakarb/*indoxacarb*, Iprovalikarb/*iprovalicarb*, Izofenfos-metil/*isophenphos-methyl*, Izokarbofos/*isocarbophos*, Izoprokarb/*isoprocarb*, Izoproturon/*isoproturon*, Karbaril/*carbaryl*, Karbendazim/*carbenzamide*, Karbofuran/*carbofuran*, Karbosulfan/*carbosulfan*, Klofentezin/*chlophentezin*, Klorantraniliprol/*chlorantraniliprol*, Klotianidin/*clothianidin*, Krezoksim-metil/*kresoxym-methyl*, Kvinoksifen/*quinoxyfen*, Linuron/*linuron*, Lufenuron/*lufenuron*, Malaokson/*malaoxon*, Malation/*malathion*, Mandipropamid/*mandipropamid*, Mepanipirim/*mepanipyrim*, Metalaksil/*metalaxyl*, Metamidofos/*methamidophos*, Metiokarb/*metiocarb*, Metiokarb sulfoksid/*methiocarb sulfoxide*, Metkonazol/*metconazole*, Metobromuron/*methobromuron*, Metoksifenozid/*metoxyphenozide*, Metomil/*methomyl*, Monokrotofos/*monochrotophos*, Nitenpiram/*nitenpyram*, Oksamil/*oxamyl*, Ometoat/*omethoat*, Paraokson-etil/*paraoxon-ethyl*, Penkonazol/*penconazole*, Pensikuron/*pensycuron*, Pimetrozin/*pymetrosine*, Piraklostrobin/*pyraclostrobin*, Pirimikarb-desmetil/*pyrimicarb desmethyl*, Piriproksifen/*pyriproxyfen*, Prokloraz/*procloraz*,Propamokarb/*propamocarb*, Propikonazol/*propiconazole*, Propoxur/*Propoxur*, Protiokonazol/*prothioconazole*, Protiokonazol-destio/*prothioconazole-desthio*, Rotenon/*rotenone*, Spinosad A/*spinosad A* Spinosad D/*spinosad D*, Spirodiklofen/*spirodyclophen*, Spiroksamin/*spiroxamine*, Spiromezifen/*spiromesifen*, Tebufenozid/*tebuphenozide*, Tebufenpirad/*tebufenpyrad*, Teflubenzuron/*teflubenzuron*, Terbutilazin/*terbutylazine*, Tetrakonazol/*tetraconazole*, Tiabendazol/*thiabendazole*, Tiakloprid/*thiaclopryd*, Tiametoksam/*thiametoxam*, Tiodikarb/*thiodicarb*, Tiofanat-metil/*tyophanate-methyl*, Triadimefon/*triadimefon*, Triadimenol/*triadimenol*, Triazofos/*triazophos*, Trifloksistrobin/*tryfloxystrobin*, Triflumuron/*tryflumuron*, Tritikonazol/*triticonazole*, Zoksamid/*zoxamide*	Multirezidualna metoda za određivanje ostataka pesticida u uzorcima voća i povrća - Modularna metoda QuEChERS *Multiresidue method for the determination of pesticides residues in fruit and vegetables – Modular QuEChERS method* Vlastita metoda *In-house method* Oznaka/*Code*: P-PEST-8 Izdanje/*Edition*: 2/4 Datum/*Date*: 2025-04-28 modificirana/*modified* HRN EN 15662:2018 *(EN 15662:2018)*
40.	Hrana biljnog porijekla *Foods of plant origin*	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*: 1/5 Datum/*Date*: 2024-07-09 modificirana/*modified* QuPPe Method Version 12.2, Method 1.4

Br. ***No.***	**Materijali/Proizvodi** Materials/Products	**Vrsta ispitivanja/Svojstvo** *Type of test/Property* ***Raspon****/Range*	**Metoda ispitivanja** Test method
41.	Hrana biljnog porijekla *Foods of plant origin*	Određivanje akrilamida tekućinskom kromatografijom (UPLC-MS/MS) *Determination of acrylamide using liquid chromatography (UPLC-MS/MS)*	Vlastita metoda *In-house method* Oznaka/*Code* P-PEST-11 Izdanje/*Edition*: 1/0 Datum/*Date*: 2023-03-15
42.	Ulje *Oil*	Određivanje policikličkih aromatskih ugljikovodika-benzo(a)pirena, benz(a)antracena,krizena, benzo(b)fluorantena, antracena i fluorantena tehnikom HPLC *Determination of polycyclic aromatic hydrocarbons - benzo(a)pyrene, benz(a)anthracene, chrysene, benzo(b)fluoranthene, anthracene and fluoranthene by HPLC*	Vlastita metoda/ *In-house method* Oznaka/*Code*: P-ADIT-20 Izdanje/*Edition*: 1/1 Datum/*Date:* 2025-02-26
43.	Voćni sokovi *Fruit juices*	Određivanje patulina metodom tekućinske kromatografije visokog učinka *Determination of patulin by high performance liquid chromatography method*	Vlastita metoda/ *In-house method* Oznaka/*Code*: P-OMK-8 Izdanje/*Edition:* 1/1 Datum/*Date* 2025-05-02
44.	Hrana i dodaci prehrani *Food and food supplements*	Određivanje udjela zasićenih, mononezasićenih i polinezasićenih masnih kiselina plinskom kromatografijom (GC-FID) *Determination of saurated, monounsaturated and polyunsaturated fatty acids using gas chromatography (GC-FID)*	Vlastita metoda *In-house method* P-PEST-12 Izdanje/ *Edition*: 1/3 Datum/*Date*: 2024-08-23
45.	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*:2/3 Datum/*Date*: 2023-11-02

Br. ***No.***	**Materijali/Proizvodi** Materials/Products	**Vrsta ispitivanja/Svojstvo** *Type of test/Property* ***Raspon****/Range*	**Metoda ispitivanja** Test method
	II - Vode/ *Waters*		
46.	Prirodne mineralne, izvorske, stolne vode, voda za ljudsku potrošnju, podzemna voda, površinska voda voda za kupanje, bazenska voda, voda za hemodijalizu i otpadna voda *Natural mineral, 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* Od/*from* 2 pH do/*to* 12 pH	HRN EN ISO 10523:2012 *(ISO 10523:2008, ISO 10523:2012)*
47.	Prirodne mineralne, izvorske, stolne vode, voda za ljudsku potrošnju, podzemna voda, voda za kupanje, voda za hemodijalizu i bazenska voda *Natural mineral, spring, table water, water for human consumption, ground water,bathing water, water for hemodialysis and pool water*	Određivanje električne vodljivosti *Determination of electrical conductivity* Od/*from* 1 µS/cm do/*to*2 S/cm	HRN EN 27888:2008 *(ISO 7888:1985, EN 27888:1993)*

<table>
<tr><th>Br.
No.</th><th>Materijali/Proizvodi
Materials/Products</th><th>Vrsta ispitivanja/Svojstvo
Type of test/Property
Raspon/Range</th><th>Metoda ispitivanja
Test method</th></tr>
<tr><td>48.</td><td>Prirodne mineralne, izvorske, stolne vode, voda za ljudsku potrošnju, podzemna voda, voda za kupanje, bazenska voda, voda za hemodijalizu* i otpadna voda
Natural mineral, spring, table water, water for human consumption, ground water,bathing water, pool water, water for hemodialysis* and waste water</td><td>Određivanje otopljenih bromida, fluorida,
klorida, nitrata, fosfata i sulfata metodom ionske tekućinske kromatografije
Determination of dissolved bromide, fluoride, chloride, nitrate, phosphate and sulphate ions by liquid chromatography of ions

Granica kvantifikacije:
Limit of quantification:

<table>
<tr><th></th><th>*</th><th>Otpadne vode
Waste water</th></tr>
<tr><td>Br^-</td><td>0.1 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>NO_3^-</td><td>1 mg/L</td><td>1 mg/L</td></tr>
<tr><td>PO_4^3</td><td>20 µg/L</td><td>100 µg/L</td></tr>
<tr><td>SO_4^{2-}</td><td>1 mg/L</td><td>1 mg/L</td></tr>
</table>
</td><td>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)</td></tr>
<tr><td>49.</td><td>Prirodne mineralne, izvorske, stolne vode, voda za ljudsku potrošnju, podzemna voda, površinska voda, voda za kupanje, bazenska voda
Natural mineral, spring, table water, water for human consumption, ground water, surface water bathing water, pool water</td><td>Određivanje mutnoće
Determination of turbidity

Od/from 0,05 NTU do/to 400 NTU</td><td>HRN EN ISO 7027-1:2016
(ISO 7027-1:2016; EN ISO 7027-1:2016)</td></tr>
</table>

Br. ***No.***	**Materijali/Proizvodi** Materials/Products	**Vrsta ispitivanja/Svojstvo** *Type of test/Property* ***Raspon****/Range*	**Metoda ispitivanja** Test method
50.	Prirodne mineralne, izvorske, stolne vode, voda za ljudsku potrošnju, podzemna voda, voda za kupanje, bazenska voda i otpadna voda *Natural mineral, spring, table water, water for human consumption, ground water,bathing water, pool water and waste water*	Određivanje amonija *Determination of ammonium* Granica kvantifikacije: *Limit of quantification:* NH_4^+: 0,01 mg/L	HRN ISO 7150-1:1998 *(ISO 7150-1:1984)*
51.	Prirodne mineralne, izvorske, stolne vode, voda za ljudsku potrošnju, voda za hemodijalizu i podzemna voda *Natural mineral, spring, table water, water for human consumption, water for hemodialysis and ground water*	Određivanje ukupno otopljenih tvari *Determination of total dissolved solids* Granica kvantifikacije: *Limit of quantification:* 1 mg/L	Vlastita metoda *In-house method* Oznaka/*Code*: P-VODE-12 Izdanje/*Edition*: 3/4 Datum/*Date*: 2021-09-21
52.	Prirodne mineralne, izvorske, stolne vode, voda za ljudsku potrošnju, voda za hemodijalizu i podzemna voda *Natural mineral, spring, table water, water for human consumption, water for hemodialysis and ground water*	Određivanje alkaliteta *Determination of total alkalinity* Granica kvantifikacije: *Limit of quantification:* HCO_3^-: 6,0 mg/L	Vlastita metoda *In-house method* Oznaka/*Code*: P-VODE-14 Izdanje/*Edition*: 3/3 Datum/*Date*: 2024-01-15 modificirana/*modified* HRN EN ISO 9963-1:1998 *(ISO 9963-1:1994; EN ISO 9963-1:1995*

Br. ***No.***	**Materijali/Proizvodi** Materials/Products	**Vrsta ispitivanja/Svojstvo** *Type of test/Property* ***Raspon****/Range*	**Metoda ispitivanja** Test method
53.	Prirodne mineralne, izvorske, stolne vode, voda za ljudsku potrošnju, voda za hemodijalizu i podzemna voda *Natural mineral, spring, table water, water for human consumption, water for hemodialysis and ground water*	Određivanje otopljenih Na^+, K^+, Ca^{2+} i Mg^{2+} metodom ionske kromatografije *Determination of dissolved Na+, K^+, Ca^{2+} and Mg^{2+} using ion chromatography* Granica kvantifikacije: *Limit of quantification:* 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)*
54.	Prirodne mineralne, izvorske, stolne vode, voda za ljudsku potrošnju, podzemna voda i otpadna voda *Natural mineral, spring, table water, water for human consumption, ground water and waste water*	Određivanje nitrita *Determination of nitrite* Granica kvantifikacije: *Limit of quantification:* NO_2^- : 0,02 mg/L	HRN EN 26777:1998 *(ISO 6777:1984; EN 26777:1993)*
55.	Voda za ljudsku potrošnju, prirodna mineralna, izvorska i stolna, podzemna i otpadna voda *Water for human consumption, natural mineral, spring, table ground and waste water*	Određivanje nitrata *Determination of nitrate* Granica kvantifikacije: *Limit of quantification*: NO3-: 1,0 mg/L	Standard Methods, 24th Ed. 2023, 4500- NO_3^- - B
56.	Voda za ljudsku potrošnju, prirodna mineralna, izvorska i stolna, podzemna i otpadna voda *Water for human consumption, natural mineral, spring, table ground and waste water*	Određivanje klorida *Determination of chloride* Granica kvantifikacije: *Limit of quantification:* Cl-: 6,0 mg/L	Vlastita metoda *In-house method* Oznaka/Code: P-VODE-21 Izdanje/*Edition:* 1/1 Datum/*Date*:2024-12-02 Modificirana/*modified* HRN EN ISO 9297:1998 *(ISO 9297:1989)*

Br. ***No.***	**Materijali/Proizvodi** Materials/Products	**Vrsta ispitivanja/Svojstvo** *Type of test/Property* ***Raspon****/Range*	**Metoda ispitivanja** Test method
57.	Prirodne mineralne, izvorske, stolne vode, voda za ljudsku potrošnju i podzemne vode *Natural mineral, spring, table water, water for human consumption and ground water*	Određivanje silikata *Determination of silicate* Granica kvantifikacije: *Limit of quantification:* 1 mg SiO_2/L	Vlastita metoda *In-house method* Oznaka/*Code*: P-VODE-17 Izdanje/*Edition:* 2/ 6 Datum/*Date:* 2023-09-12 modificirana/*modified* Standard Methods 24th Ed. 2023, 4500-SiO_2 D
58.	Prirodne mineralne, izvorske, stolne vode, voda za ljudsku potrošnju, voda za hemodijalizu i podzemna voda *Natural mineral, 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-21 Izdanje/*Edition:* 1/1 Datum/*Date*:2024-12-02 Modificirana/*modified* HRN EN ISO 9297:1998 *(ISO 9297:1989)*
59.	Otpadna voda *Waste waters*	Određivanje indeksa kemijske potrošnje kisika (KPK) *Determination of the chemical oxygen demand indeks* Granica kvantifikacije: *Limit of quantification:* 40 mg O_2/L	HRN ISO 15705:2003 *(ISO 15705:2002)*
60.	Prirodne mineralne, izvorske, stolne vode, voda za ljudsku potrošnju, podzemna, površinska i otpadna voda *Natural mineral, 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 24th Ed. 2023, 2540B

Br. ***No.***	**Materijali/Proizvodi** Materials/Products	**Vrsta ispitivanja/Svojstvo** *Type of test/Property* ***Raspon****/Range*	**Metoda ispitivanja** Test method
61.	Prirodne mineralne, izvorske, stolne vode, voda za ljudsku potrošnju, podzemna, površinska i otpadna voda *Natural mineral, spring, table water, water for human consumption, ground, surface and waste water*	Određivanje suspendiranih tvari *Determination of suspended solids* Granica kvantifikacije: *Limit of quantification:* 2 mg/L	HRN EN 872:2008 *(EN 872:2005)*
62.	Podzemna, površinska i otpadna voda *Surface, ground and waste water*	Određivanje ukupnog fosfora *Determination of total phosphorus* Granica kvantifikacije: *Limit of quantification:* P: 0,05 mg/L	HRN EN ISO 6878:2008 *(ISO 6878:2004; EN ISO 6878:2004)* točka/*clause* 7
63.	Prirodne mineralne, izvorske, stolne vode, voda za ljudsku potrošnju, podzemna, površinska i otpadna voda *Natural mineral, spring, table water, water for human consumption ground, surface and waste water*	Određivanje neionskih tenzida *Determination of nonionic surfactants* Granica kvantifikacije: *Limit of quantification:* 60 µg/L	Vlastita metoda *In-house method* Oznaka/*Code*: P-VODE-28 Izdanje/*Edition*: 1/ 4 Datum/*Date*: 2022-09-01 temeljena na/*based on* Merck 1.01787.0001 (kivetni test/*cuvette test*)
64.	Prirodne mineralne, izvorske, stolne vode, voda za ljudsku potrošnju, podzemna voda i bazenska voda *Natural mineral, spring, table water, water for human consumption, ground water and pool water*	Određivanje boje *Determination of color* Granica kvantifikacije: *Limit of quantification:* 5 mg/L Pt/Co skale	Standard Methods, 24th Ed. 2023, 2120 C

<table>
<tr><th>Br.
No.</th><th>Materijali/Proizvodi
Materials/Products</th><th>Vrsta ispitivanja/Svojstvo
Type of test/Property
Raspon/Range</th><th>Metoda ispitivanja
Test method</th></tr>
<tr><td>65.</td><td>Prirodne mineralne, izvorske, stolne vode, voda za ljudsku potrošnju, podzemna voda i bazenska voda*
Natural mineral, spring, table water, water for human consumption, ground water and pool water*</td><td>Određivanje otopljenih klorata, klorita, bromata i bromida metodom ionske tekućinske kromatografije
Determination of dissolved chlorate,chlorite and bromate by liquid chromatografy of ions

Granica kvantifikacije:
Limit of quantification:

<table>
<tr><td></td><td></td><td>*</td></tr>
<tr><td>ClO_3^-</td><td>10 µg/L</td><td></td></tr>
<tr><td>ClO_2^-</td><td>10 µg/L</td><td>10 µg/L</td></tr>
<tr><td>BrO_3^-</td><td>2 µg/L</td><td></td></tr>
<tr><td>Br^-</td><td>20 µg/L</td><td></td></tr>
</table>
</td><td>HRN EN ISO 10304-4:2022
(ISO 10304-4:2022; EN ISO 10304-4:2022)

HRN EN ISO 15061:2001
(ISO 15061:2001; EN ISO 15061:2001)

HRN EN ISO 10304-1:2009
(ISO 10304-1:2007; EN ISO 10304-1:2009)</td></tr>
<tr><td>66.</td><td>Prirodne mineralne, izvorske, stolne vode, voda za ljudsku potrošnju i podzemna voda
Natural mineral, spring, table water, water for human consumption and ground water</td><td>Određivanje naftalena, antracena, fluorantena, benzo(b)fluorantena, benzo(k)fluorantena, benzo(a)pirena, benzo(g,h,i)perilena i indeno(1,2,3-c,d)pirena 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 and 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>
</td><td>Vlastita metoda
In-house method
Oznaka/Code:
P-VODE-34
Izdanje/Edition: 1/ 4
Datum/Date: 2022-09-02

modificirana/modified
HRN EN ISO 17993:2008
(ISO 17993:200; EN ISO 17993:2003)</td></tr>
</table>

Br. ***No.***	**Materijali/Proizvodi** Materials/Products	**Vrsta ispitivanja/Svojstvo** *Type of test/Property* ***Raspon****/Range*	**Metoda ispitivanja** Test method
67.	Voda za ljudsku potrošnju, otpadna i bazenska voda *Water for human consumption, waste and pool water*	Određivanje slobodnog i ukupnog klora *Determination of free chlorine and total chlorine* Granica kvantifikacije: *Limit of quantification:* 0,05 mg Cl_2/L	HRN EN ISO 7393-2:2018 *(ISO 7393-2:2017; EN ISO 7393-2:2018)*
68.	Prirodne mineralne, izvorske, stolne vode, voda za ljudsku potrošnju, podzemna voda i bazenska voda *Natural mineral, spring, table water, water for human consumption, ground water and pool water*	Određivanje permanganatnog indeksa *Determination of permanganate index* Granica kvantifikacije: *Limit of quantification:* 0,5 mg O_2/L	HRN EN ISO 8467:2001 *(ISO 8467:1993; EN ISO 8467:1995)*
69.	Prirodne mineralne, izvorske, stolne vode, voda za ljudsku potrošnju , podzemna voda i bazenska voda *Natural mineral, spring, table water, water for human consumption, ground water and pool water*	Brojenje *Escherichia coli* i ukupnih koliformnih bakterija – 1. dio: Metoda membranske filtracije za vode s niskom pozadinom bakterijske flore *Enumeration of Escherichia coli and total coliform bacteria – Part 1: Membrane filtration method for waters with low bacterial background*	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)*
70.	Voda za ljudsku potrošnju i podzemna voda *Drinking water and ground water*	Brojenje *Escherichia coli* i ukupnih koliformnih bakterija – 2. dio: Metoda najvjerojatnijeg broja (Colilert MPN) *Enumeration of Escherichia coli and total coliform bacteria – Part 2: Most probable number method (Colilert MPN)*	HRN EN ISO 9308-2:2014 *(ISO 9308-2:2012; EN ISO 9308-2:2014)*
71.	Prirodne mineralne, izvorske, stolne vode, voda za ljudsku potrošnju i podzemna voda *Natural mineral, spring, table water, water for human consumption and ground water*	Detekcija i brojenje crijevnih enterokoka-2. dio: Metoda membranske filtracije *Detection and enumeration of intestinal enterococci Part 2: Membrane filtration method*	HRN EN ISO 7899-2:2000 *(ISO 7899-2:2000; EN ISO 7899-2:2000)*

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

<table>
<tr><th>Br.
No.</th><th>Materijali/Proizvodi
Materials/Products</th><th>Vrsta ispitivanja/Svojstvo
Type of test/Property
Raspon/Range</th><th>Metoda ispitivanja
Test method</th></tr>
<tr><td>77.</td><td>Prirodne mineralne, izvorske, stolne vode, voda za ljudsku potrošnju, podzemna voda i otpadna voda
Natural mineral, spring, table water, water for human consumption and ground water and waste water</td><td>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></td><td>HRN ISO 11423-1:2002
(ISO 11423-1:1997)</td></tr>
<tr><td>78.</td><td>Prirodne mineralne, izvorske, stolne vode, voda za ljudsku potrošnju, podzemna voda, bazenska voda i otpadna voda
Natural mineral, spring, table water, water for human consumption and ground water, pool water and waste water</td><td>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) by the combustion detection method

Granica kvantifikacije:
Limit of quantification:
0,3 mg /L</td><td>HRN EN 1484:2002
(EN 1484:1997)</td></tr>
<tr><td>79.</td><td>Voda za ljudsku potrošnju i bazenska voda
Water for human consumption and pool water</td><td>Brojenje bakterija Legionella spp.
Enumeration of Legionella spp.</td><td>HRN EN ISO 11731:2017
(ISO 11731:2017;
EN ISO 11731:2017)</td></tr>
</table>

Br. ***No.***	**Materijali/Proizvodi** Materials/Products	**Vrsta ispitivanja/Svojstvo** *Type of test/Property* ***Raspon****/Range*	**Metoda ispitivanja** Test method
80.	Prirodne mineralne, izvorske, stolne vode, voda za ljudsku potrošnju, podzemna voda, bazenska voda i površinska voda *Natural mineral, spring, table water, water for human consumption and ground water, pool water and surface water*	Detekcija i brojenje spora sulfito-reducirajućih anaeroba (klostridija)- Metoda membranske filtracije *Detection and enumeration of the spores of sulfite-reducing anaerobes (clostridia)- Membrane filtration method*	HRN EN 26461-2:2008 *(ISO 6461-2:1986; EN 26461-2:1993)*
81.	Voda za ljudsku potrošnju, prirodna mineralna, izvorska, površinska voda, podzemna voda i otpadna voda *Water for human consumption, naural mineral, spring water, surface water, ground water and waste water*	Određivanje ravnolančanih ugljikovodika C_{10} – C_{40} metodom ekstrakcije tekuće-tekuće i plinskom kromatografijom *Determination of straight-chain hydrocarbons C_{10}-C_{40} by liquid-liquid extraction and gas chromatography* Granica kvantifikacije: *Limit of quantification:* 15 µg/l	Vlastita metoda *In-house method* Oznaka/*Code*: P-VODE-36 Izdanje/*Edition*: 1/ 1 Datum/*Date*: 2022-09-02 modificirana/*modified* HRN ISO 11423-1:2002 *(ISO 11423-1:1997)*

Br. ***No.***	**Materijali/Proizvodi** Materials/Products	**Vrsta ispitivanja/Svojstvo** *Type of test/Property* ***Raspon****/Range*	**Metoda ispitivanja** Test method
82.	Voda za ljudsku potrošnju, prirodna mineralna, izvorska i stolna voda, podzemna voda, površinska voda i otpadne vode *Water for human consumption, natural mineral, spring water, ground water, surface water, and waste water*	Određivanje lakohlapivih halogeniranih ugljikovodika (Ukupni trihalometani, Kloroform, Bromoform, Bromdiklormetan, Dibromklormetan, Tetrakloreten, Trikloreten,1,2-dikloretan) - Metoda plinske kromatografije *Determination of highly volatile halogenated hydrocarbons (Total Trihalomethanes, Chloroform, Bromoform, Bromodichloromethane, Dibromochloromethane, Tetrachloroethene, Trichloroethene, 1,2-Dichloroethane)– Gas chromatographic methods* Granica kvantifikacije: *Limit of quantification:* Ukupni THM-i: 0,5 µg/L Kloroform 0,5 µg/L Bromoform 0,5 µg/L Bromdiklormeta 0,5 µg/L Dibromklormetan 0,5 µg/L Tetrakloreten 0,5 µg/L Trikloreten 0,5 µg/L 1,2-dikloretan 0,5 µg/L	Vlastita metoda *In-house method* Oznaka/*Code*: P-VODE-51 (metoda B, HS-GC-MS/MS) *P-VODE-51 (method B, HS-GC-MS/MS*) Izdanje/*Edition*: 2/0 Datum/*Date*: 2021-04-19 modificirana/*modified* HRN EN ISO 10301:2002 (*ISO 10301:1997; EN ISO 10301:1997)*

Br. ***No.***	**Materijali/Proizvodi** Materials/Products	**Vrsta ispitivanja/Svojstvo** *Type of test/Property* ***Raspon****/Range*	**Metoda ispitivanja** Test method
83.	Bazenska voda *Pool water*	Određivanje trihalometana (Kloroform, Bromoform, Bromdiklormetan, Dibromklormetan) - Metoda plinske kromatografije *Determination of trihalomethanes (Chloroform, Bromoform, Bromodichloromethane, Dibromochloromethane)– Gas chromatographic methods* Granica kvantifikacije: *Limit of quantification:* Ukupni THM-i 0,5 µg/L Kloroform 0,5 µg/L Bromoform 0,5 µg/L Bromdiklormetan 0,5 µg/L Dibromklormetan 0,5 µg/L	Vlastita metoda *In-house method* Oznaka/*Code*: P-VODE-51 (metoda A, GC-ECD) *P-VODE-51 (method A, GC-ECD)* Izdanje/*Edition*: 2/0 Datum/*Date*: 2021-04-19 modificirana/*modified* HRN EN ISO 10301:2002 (*ISO 10301:1997; EN ISO 10301:1997*)
84.	Voda za ljudsku potrošnju, prirodna mineralna, izvorska i stolna voda, podzemna voda, površinska voda *Water for human consumption, natural mineral, spring, table water, ground water, surface water*	Određivanje vinilklorida *Determination of vinyl chloride* Granica kvantifikacije: *Limit of quantification:* 0,15 µg/l	Vlastita metoda *In-house method* Oznaka/*Code*: P-VODE-45 Izdanje/*Edition:* 1/ 1 Datum/*Date*: 2022-09-02
85.	Podzemna, površinska i otpadna voda *Surface, ground and waste water*	Određivanje ukupnog dušika *Determination of total nitrogen* Granica kvantifikacije: *Limit of quantification:* N:0,5 mg/L	Vlastita metoda *In-house method* Oznaka/*Code*: P-VODE-41 Izdanje/*Edition*: 1/0 Datum/*Date*: 2021-06-14
86.	Voda za ljudsku potrošnju, prirodna mineralna, izvorska i stolna voda, podzemna voda i otpadna voda *Water for human consumption, natural mineral, spring, table water 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-60 Izdanje/*Edition*: 1/1 Datum/*Date*: 2022-09-01 temeljena na/*based on* Merck 1.02552.0001 (kivetni test/*cuvette test*)

Br. ***No.***	**Materijali/Proizvodi** Materials/Products	**Vrsta ispitivanja/Svojstvo** *Type of test/Property* ***Raspon****/Range*	**Metoda ispitivanja** Test method
87.	Bazenska voda *Pool water*	Određivanje redoks potencijala *Determination of oxidation-reduction potential* Od/*from* -1200 mV do/*to* + 1200 mV	Standard Methods, 24th Ed. 2023, 2580 B
88.	Voda za ljudsku potrošnju *Water for human consumption*	Određivanje halooctenih kiselina (halooctene kiseline-suma, monokloroctena kiselina, dikloroctena kiselina, trikloroctena kiselina, monobromoctena kiselina, dibromoctena kiselina) metodom ekstrakcije tekuće-tekuće i plinskom kromatografijom *Determination of haloacetic acids (haloacetic acids-sum, monochloroacetic acid, dichloroacetic acid, trichloroacetic acid, monobromoacetic acid, dibromoacetic acid) by liquid-liquid extraction and gas chromatography* Granica kvantifikacije: *Limit of quantification:* Halooctene kiseline-suma 1,0 µg/L Monokloroctena kiselina 1,0 µg/L Dikloroctena kiselina 1,0 µg/L Trikloroctena kiselina 0,4 µg/L Monobromoctena kiselina 0,7 µg/L Dibromoctena kiselina 0,4 µg/L	Vlastita metoda *In-house method* Oznaka/*Code*: P-VODE-57 Izdanje/*Edition*: 1/1 Datum/*Date*: 2023-09-26 modificirana/*modified* EPA 552.3

Br. ***No.***	**Materijali/Proizvodi** Materials/Products	**Vrsta ispitivanja/Svojstvo** *Type of test/Property* ***Raspon****/Range*	**Metoda ispitivanja** Test method
89.	Prirodne mineralne, izvorske, stolne vode *Natural mineral, spring, table water*	Brojenje *Escherichia coli* i ukupnih koliformnih bakterija na 44,5°C – metoda membranske filtracije za vode s niskom pozadinom bakterijske flore *Enumeration of Escherichia coli and total coliform bacteria at 44,5*°C *– Membrane filtration method for waters with low bacterial background flora*	Vlastita metoda *In-house method* Oznaka/*Code*: P-VODE-81 Izdanje/*Edition*:2/4 Datum/*Date*: 2021-06-01 modificirana/*modified* HRN EN ISO 9308-1: 2014 *(ISO 9308-1:2014, EN ISO 9308-1:2014)* HRN EN ISO 9308-1:2014/A1:2017 *(ISO 9308-1:2014/Amd 1:2016; EN ISO 9308-1:2014/A1:2017)*
90.	Prirodne mineralne, izvorske, stolne vode *Natural mineral, spring, table water*	Brojenje uzgojenih mikroorganizama na 37°C/24h–Broj kolonija nacjepljivanjem na hranjivi agar *Enumeration of culturable micro-organisms at 37°C/24h-Colony count by inoculation in a nutrient agar culture medium*	Vlastita metoda *In-house method* Oznaka/*Code*: P-VODE-84 Izdanje/*Edition*:1/3 Datum/*Date*: 2021-06-01 modificirana/*modified* HRN EN ISO 6222:2000 *(ISO 6222:1999; EN ISO 6222:1999)*
91.	Voda za ljudsku potrošnju *Water for human consumption*	Brojenje *Clostridium perfringens*-Metoda s uporabom membranske filtracije *Enumeration of Clostridium perfringens-Method using membrane filtration*	HRN EN ISO 14189:2016 *(ISO 14189:2013; EN ISO ISO 14189:2016)*
92.	Voda za ljudsku potrošnju *Water for human consumption*	Detekcija i brojenje bakteriofaga: Brojenje somatskih kolifaga *Detection and enumeration of bacteriophages: Enumeration of somatic coliphages*	HRN EN ISO 10705-2:2008 *(ISO 10705-2:2000; EN ISO 10705-2:2001)*

Br. ***No.***	**Materijali/Proizvodi** Materials/Products	**Vrsta ispitivanja/Svojstvo** *Type of test/Property* ***Raspon****/Range*	**Metoda ispitivanja** Test method
93.	Voda za ljudsku potrošnju, površinske, podzemne, prirodne mineralne, izvorske, stolne i otpadne vode *Water for human consumption, surface, ground, natural mineral, spring and table water and waste water*	**Određivanje pesticida i PCBa/*Determination of pesticides and PCBs:*** Granica kvantifikacije/*Limit of quantification (µg/L):* **<u>Voda za ljudsku potrošnju, površinske, podzemne, prirodne mineralne, izvorske, stolne</u>** Water for human consumption, surface, ground, natural mineral, spring and table water **GC-MS/MS – 34 Pesticida/*34 Pesticides*:** Acetoklor/*Acetochlor* (0,01), Aldrin/*Aldrin* (0,01), Dieldrin/*Dieldrin* (0,02), Diklorvos/*Dichlorvos* (0,01), Dimetoat/*Dimethoate* (0,03), DDD-p,p/*DDD-p,p* (0,01), DDE-p,p/*DDE-p,p* (0,01) DDT-o,p/*DDT-o,p* (0,03), DDT-p,p/*DDT-p,p* (0,03), Endosulfan-alfa/*Endosulfan-alpha* (0,03) Endosulfan-beta/*Endosulfan-beta* (0,03), Endrin/*Endrin* (0,03), Fenitrotion/*Fenitrothion* (0,01), HCB/*HCB* (0,03), HCH-alfa/*HCH-alpha* (0,03) HCH-beta/*HCH-beta* (0,02), HCH-delta/*HCH-delta* (0,01), HCH-gama(Lindan)/*HCH-gamma (Lindane)* (0,01), Heptaklor/*Heptachlor* (0,03) Heptaklorepoksid-cis/*Heptachlorepoxide-cis* (0,03), Heptaklorepoksid-trans/*Heptachlorepoxide-trans* (0,03), Izodrin/*Isodrin* (0,03), Klorfenvinfos/*Chlorfenvinphos* (0,03), Klorpirifos/*Chlorpyrifos* (0,01), Klorpirifos-metil/*Chlorphyrifos-methyl* (0,03), Malation/*Malathion* (0,02), Metoksiklor/*Methoxychlor* (0,03), Ometoat/*Omethoate* (0,03), Paration/*Parathion* (0,05), Pendimetalin/*Pendimethalin* (0,02), Pirimifos-etil/*Pirimiphos-ethyl* (0,03), Pirimifos-metil/*Pirimiphos-methyl* (0,03), s-metolaklor/*s-metolachlor* (0,01), Simazin/*Simazin* (0,01) **7 PCBa/7 PCBs:** PCB 28 (0,01), PCB 52 (0,01), PCB 101 (0,01), PCB 118 (0,01), PCB 138 (0,01), PCB 153 (0,01), PCB 180 (0,01) **LC-MS/MS – 39 Pesticida/*39 Pesticides:*** 2,4-D/*2,4-D* (0,02), 2,6-diklorbenzamid/*2,6-dichlorobenzamide* (0,02), Acetoklor ESA/*Acetochlor ESA* (0,03), Acetoklor OXA/*Acetochlor OXA* (0,03), Bentazon/*Bentazone* (0,03), Atrazin/*Atrazine* (0,01), Azoksistrobin/*Azoxystrobine* (0,05), Bromacil/*Bromacil* (0,01), Desisopropil atrazin/*Deisopropyl atrazine* (0,02), Desetil atrazin/*Desethyl atrazine* (0,03), Desetil terbutilazin/*Desethyl terbuthylazine* (0,03), Desetil-2-hidroksi atrazin/*Desethyl-2-hydroxy atrazine* (0,03), Desmetil isoproturon/*Desmethyl isoproturon* (0,02), Diazinon/*Diazinon* (0,03), Dikamba/*Dicamba* (0,03), Dimetenamid-p/*Dimethenamide-p* (0,01), Diuron/*Diuron* (0,02) Fosetil/*Fosetyl* (0,05), Glifosat/*Glyphosate* (0,03), Hidroksi atrazin/*Hydroxy atrazine* (0,03) Hidroksi simazin/*Hydroxy simazine* (0,03), Hidroksi terbutilazin/*Hydroxy terbuthylazine* (0,02), Izoproturon/*Isoproturon* (0,01) Klorotoluron/*Chlorotoluron* (0,02), Linuron/*Linuron* (0,02), Malaokson/*Malaoxon* (0,03) Mankozeb/*Manzoceb* (0,03), MCPA/*MCPA* (0,02), Mekoprop/*Mecoprop* (0,03), Metolaklor ESA/*Metolachlor ESA* (0,03), Metolaklor OXA/*Metolachlor OXA* (0,03), Metribuzin/*Metrybuzine* (0,05), Simazin/*Simazine* (0,04), Prometrin/*Prometryn* (0,01) Propineb/*Propineb* (0,04), Prosulfokarb/*Prosulfocarb* (0,01), Tebukonazol/*Tebuconazole* (0,02), Terbutilazin/*Terbuthylazine* (0,03), Tiofanat metil/*Tiofanat methyl* (0,02) **<u>Otpadne vode</u>** Waste water **GC-MS/MS – 17 Pesticida/*17 Pesticides*:** Aldrin/*Aldrin* (0,2), Dieldrin/*Dieldrin* (0,2), DDD-p,p/*DDD-p,p* (0,2), DDE-p,p/*DDE-p,p* (0,2), DDT-o,p/*DDT-o,p* (0,2), DDT-p,p/*DDT-p,p* (0,2), DDD-o,p/*DDD-o,p* (0,2), DDE-o,p/*DDE-o,p* (0,2), Endosulfan-alfa/*Endosulfan-alpha* (0,2), Endosulfan-beta/*Endosulfan-beta* (0,2), Endrin/*Endrin* (0,2), HCB/*HCB* (0,2), HCH-gama (Lindan)/*HCH-gamma (Lindane)* (0,2), Klorfenvinfos/*Chlorfenvinphos* (0,2), Klorpirifos/*Chlorpyrifos* (0,2), Atrazin/*Atrazine* (0,2), Simazin/*Simazine* (0,2) **7 PCBa/7 PCBs:** PCB 28 (0,01), PCB 52 (0,01), PCB 101 (0,01), PCB 118 (0,01), PCB 138 (0,01), PCB 153 (0,01), PCB 180 (0,01)	Vlastita metoda *In-house method* Oznaka/*Code*: P-PEST-10 Izdanje/*Edition*: 1/7 Datum/*Date*: 2025-05-02 modificirane/*modified US EPA* Metoda */Method 525.3, 536*

Br. ***No.***	**Materijali/Proizvodi** Materials/Products	**Vrsta ispitivanja/Svojstvo** *Type of test/Property* ***Raspon****/Range*	**Metoda ispitivanja** Test method
III - Predmeti opće uporabe / *Object of cammon use*			
94.	Materijali i predmeti u kontaktu s hranom – plastika *Materials and articles in contact with food - plastics*	Određivanje globalne migracije u hlapljivim modelnim otopinama *Determination of overall migration in evaporable food simulants*	HRN EN 1186-3:2022 *(EN 1186-3:2022)*
95.	Kozmetika *Cosmetics*	Određivanje pH vrijednosti u kozmetičkim proizvodima koji sadrže vodu *Determination of pH value in cosmetic products containing water*	Vlastita metoda *In-house method* Oznaka/*Code*: P-POU-8 Izdanje/*Edition*: 1/3 Datum/*Date*: 2019-11-29
96.	Materijali i predmeti u kontaktu s vodom za piće *Materials and articles in contact with drinking water*	Određivanje otpuštenih metala (Sb, As, B, Cd, Cr, Cu, Pb, Hg, Ni, Se, U, Al, Fe, Mn, Bi, Mo, Sn, Ti, Zn) *Determination of released metals* (Sb, As, B, Cd, Cr, Cu, Pb, Hg, Ni, Se, U, Al, Fe, Mn, Bi, Mo, Sn, Ti, Zn)	Vlastita metoda *In-house method* Oznaka/*Code*: P-POU-9 Izdanje/*Edition*: 2/2 Datum/*Date*: 2024-10-30 modificirano/ *modified* HRN EN ISO 17294-1:2024 (ISO ISO 17294-1:2024; EN ISO 17294-1:2024) i/*and* HRN EN ISO 17294-2:2023 (ISO 17294-2:2023, ispr./corr.version 2024-02; EN ISO 17294-2:2023)
97.	Materijali i predmeti u kontaktu s hranom – plastika *Materials and articles in contact with food-plastics*	Određivanje formaldehida u vodenim modelnim otopinama hrane (destilirana voda, 3vol.% octena kiselina) *Determination of formaldehyde in simulans (3vol.% acetic acid, distilled water)*	HRN CEN/TS 13130-23: 2005 *(CEN/TS 13130-23:2005)*

Br. ***No.***	**Materijali/Proizvodi** Materials/Products	**Vrsta ispitivanja/Svojstvo** *Type of test/Property* ***Raspon****/Range*	**Metoda ispitivanja** Test method
98.	Materijali i predmeti u kontaktu s hranom – plastika *Materials and articles in contact with food-plastics*	Određivanje specifične migracije 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) *Determination of specific migration 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)*	Vlastita metoda *In-house method* Oznaka/*Code*: P-POU-11 Izdanje/*Edition*: 1/2 Datum/*Date*: 2022-09-27
99.	Materijali i predmeti u kontaktu s hranom – plastika *Materials and articles in contact with food - plastics*	Određivanje specifične migracije Ba, Co, Cu, Fe, Mn, Zn, Li, Ni, Al, Gd, La, Eu, Tb, As, Cr, Hg, Pb, Cd u ekstraktu 3 vol% octene kiseline *Determination of the specific migration* Ba, Co, Cu, Fe, Mn, Zn, Li, Ni, Al, Gd, La, Eu, Tb, As, Cr, Hg, Pb, Cd *in extracts of 3 vol% acetic acid*	Vlastita metoda *In-house method* Oznaka/*Code*: P-POU-12 Izdanje/*Edition*: 1/4 Datum/*Date*: 2021-03-30
100.	Materijali i predmeti u kontaktu s hranom *Materials and articles in contact with food*	Određivanje globalne migracije u modificiranom polifenilenoksidu (Tenax-u) *Test method foroverall migration into modified polyphenyleneoxide (Tenax)*	Vlastita metoda *In house method* Oznaka/*Code*: P-POU-19 Izdanje/*Edition*: 1/0 Datum/*Date*: 2021-04-09
101.	Bezduhanski proizvodi *Non tobacco products*	Određivanje nikotina, propilen glikola i glicerola u tekućinama koje se upotrebljavaju u elektroničkim uređajima-metoda plinske kromatografije *Determination of nicotine, propylene glycol and glycerol in liquids used in electronic delivery devices-gas chromatographic method*	HRN EN ISO 20714:2022 *(ISO 20714:2019; EN ISO 20714:2021)*

Br. ***No.***	**Materijali/Proizvodi** Materials/Products	**Vrsta ispitivanja/Svojstvo** *Type of test/Property* ***Raspon****/Range*	**Metoda ispitivanja** Test method
102.	Kozmetika *Cosmetics*	Određivanje Pb, Cr, Ni, Cd, Hg, As, Sb u kozmetičkim proizvodima koji ostaju na koži *Determination of* Pb, Cr, Ni, Cd, Hg, As, Sb *in leave on cosmetic products*	Vlastita metoda *In-house method* Oznaka/*Code*: P-POU-13 Izdanje/*Edition*: 2/1 Datum/*Date*: 2024-06-04 modificirano/m*odified* HRN EN ISO 21392:2021 ispravljena verzija 2021-12 (*ISO 21392:2021, /Corr version 2021-12; EN ISO 21392:2021)*
103.	Materijali i predmeti u kontaktu s hranom – plastika *Materials and articles in contact with food-plastics*	Određivanje bisfenola A u vodenim modelnim otopinama hrane, destiliranoj vodi, 3vol% octenoj kiselini, 10vol% etanolu, 20vol% etanolu, 50vl% etanolu i 95vol% etanolu *Determination of bisphenol A in water based food simulants, aquoeus food simulants: distilled water, 3vol% acetic acid, 10vol% ethanol, 20vol% ethanol, 50vol% ethanol i 95vol% ethanol*	Vlastita metoda *In-house method* Oznaka/*Code*: P-POU-18 Izdanje/*Edition*: 1/2 Datum/*Date*: 2023-05-04
104.	Kozmetika *Cosmetics*	Određivanje broja i dokazivanje aerobnih mezofilnih bakterija *Enumeration and detection of aerobic mesophilic bacteria*	HRN EN ISO 21149:2017 *(ISO 21149:2017; EN ISO 21149:2017)* HRN EN ISO 21149:2017/A1:2022 *(ISO 21149:2017 /Amd 1:2022; EN ISO 21149:2017 /A1:2022)*
105.	Kozmetika *Cosmetics*	Određivanje broja kvasaca i plijesni *Enumeration of yeast and mould*	HRN EN ISO 16212:2017*(ISO 16212:2017; EN ISO 16212:2017)* HRN EN ISO 16212:2017/A1:2022 *(ISO 16212:2017/Amd 1:2022; EN ISO 16212:2017/A1:2022)*

Br. ***No.***	**Materijali/Proizvodi** Materials/Products	**Vrsta ispitivanja/Svojstvo** *Type of test/Property* ***Raspon****/Range*	**Metoda ispitivanja** Test method
106.	Kozmetika *Cosmetics*	Dokazivanje bakterije *Staphylococcus aureus* *Detection of Staphylococcus aureus*	HRN EN ISO 22718:2016 *(ISO 22718:2015; EN ISO 22718:2015)* HRN EN ISO 22718:2016/A1:2022 *(ISO 22718:2015/Amd1:2022; EN ISO 22718:2015 A1:2022)*
107.	Kozmetika *Cosmetics*	Dokazivanje bakterije *Escherichia coli* *Detection of Escherichia coli*	HRN EN ISO 21150:2016*(ISO 21150:2015; EN ISO 21150:2015)* HRN EN ISO 21150:2016/A1:2022 *(ISO 21150:2015 Amd1:2022; EN ISO 21150:2015 A1:2022)*
108.	Kozmetika *Cosmetics*	Dokazivanje bakterije *Pseudomonas aeruginosa* *Detection of Pseudomonas aeruginosa*	HRN EN ISO 22717:2016 *(ISO 22717:2015; EN ISO 22717:2015)* HRN EN ISO 22717:2016/A1:2022 *(ISO 22717:2015/Amd 1:2022; EN ISO 22717:2015/ A1:2022)*
109.	Kozmetika *Cosmetics*	Dokazivanje kvasca *Candida albicans* *Detection of Candida albicans*	HRN EN ISO 18416:2016 (ISO 18416:2015, EN ISO 18416:2015) HRN EN ISO 18416:2016/A1:2022 *(ISO 18416:2015/Amd 1:2022; EN ISO 18416:2015/ A1:2022)*

Br. ***No.***	**Materijali/Proizvodi** Materials/Products	**Vrsta ispitivanja/Svojstvo** *Type of test/Property* ***Raspon****/Range*	**Metoda ispitivanja** Test method
110.	Kozmetika *Cosmetics*	Procjena antimikrobne zaštite kozmetičkih proizvoda *Evaluation of the antimicrobial protection of a cosmetic product*	HRN EN ISO 11930:2019 *(ISO 11930:2019, EN ISO 11930:2019)* HRN EN ISO 11930:2019/A1:2022 *(ISO 11930:2019/Amd 1:2022; EN ISO 11930:2019/ A1:2022)*
111.	Kozmetika *Cosmetics*	Određivanje aktiviteta vode *Determination of water activity*	Vlastita metoda *In-house method* Oznaka/*Code*: P-MIK-43 Izdanje/*Edition*: 1/0 Datum/*Date*: 2023-01-19
112.	Igračke *Toys*	Otpuštanje određenih elemenata (Al, Sb, As, Ba, B, Cd, Cr, Co, Cu, Pb, Mn, Hg, Ni, Se, Sr, Sn, Zn) *Migration of certain elements (*Al, Sb, As, Ba, B, Cd, Cr, Co, Cu, Pb, Mn, Hg, Ni, Se, Sr, Sn, Zn*)*	HRN EN 71-3:2021 *(EN 71-3:2019+A1:2021)*
113.	Predmeti široke potrošnje - predmeti i materijali u direktnom i produženom dodiru s kožom izrađeni od metala *Objects of Common use - metal articles and materials intended to come into direct and prolonged contact with the skin*	Određivanje otpuštanja nikla *Test method of release of nickel*	HRN EN 1811: 2023 *(EN 1811:2011+A1:2015)*
114.	Materijali i predmeti u kontaktu s hranom – plastika *Materials and articles in contact with food - plastics*	Metode ispitivanja globalne migracije modelnom otopinom biljnog ulja *Test methods for overall migration in vegetable oils*	Vlastita metoda *In-house method* Oznaka/*Code*: P-POU-22 Izdanje/*Edition*: 1/1 Datum/*Date*: 2023-05-08 modificirano/m*odified* HRN EN 1186-2:2022 *(EN 1186-2:2022)*

Br. ***No.***	**Materijali/Proizvodi** Materials/Products	**Vrsta ispitivanja/Svojstvo** *Type of test/Property* ***Raspon****/Range*	**Metoda ispitivanja** Test method
115.	Kemijski dezinficijensi i antiseptici (koji se upotrebljavaju u područjima povezanim s hranom, u industriji, domaćinstvu i ustanovama) *Chemical disinfectants and antiseptics (used in food, industrial, domestic and institutional areas)*	Kvantitativni suspenzijski test za procjenu baktericidne djelotvornosti *Quantitative suspension test for the evaluation of bactericidal activity*	HRN EN 1276:2019 *(EN 1276:2019)*
116.	Kemijski dezinficijensi i antiseptici (koji se upotrebljavaju u područjima povezanim s hranom, u industriji, domaćinstvu i ustanovama) *Chemical disinfectants and antiseptics (used in food, industrial, domestic and institutional areas)*	Kvantitativni suspenzijski test za procjenu fungicidne djelotvornosti ili djelotvornosti na kvasce *Quantitative suspension test for the evaluation of fungicidal or yeasticidal activity*	HRN EN 1650:2019 *(EN 1650:2019)*
117.	Materijali i predmeti u kontaktu s hranom – plastika *Materials and articles in contact with food-plastics*	Određivanje specifične migracije melamina u modelnoj otopini B *Determination of specific migration of melamine in model solution B*	Vlastita metoda *In house method* Oznaka/Code: P-POU-5 Izdanje/*Edition:* 1/0 Datum/*Date*: 2024-09-10
118.	Bezduhanski proizvodi *Non tobacco products*	Određivanje koncentracije nikotina tekućinskom kromatografijom visoke djelotvornosti *Determination of nicotine concentration with high performance liquid chromatography*	Vlastita metoda *In house method* Oznaka/Code: P-POU-23 Izdanje/*Edition*: 1/0 Datum/*Date*: 2024-05-29

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*)**	**III – BILJNI MATERIAL (*Plant material*)**	**(1) qPCR** **(2) ICP-MS** **(3) HPLC-ICP-MS** **(4) AAS (AMA 254)** **(5) HPLC** **(6) ICP-OES**
A – GMO – kvalitativno (A1) i kvantitativno (A2) *(Genetically modified organisms –* Qualitative (A1) *and Quantitative (A2))* **B – Elementi (B1) i elementne specije (B2)** (*Elements (B1) and elemental species (B2)*) **C – Aditivi – Nitrati (C1), sladila (C2), bojila (C3), konzervansi (C4)** *(Aditives – Nitrates (C1), Sweeteners (C2), colors (C3), preservatives (C4))* **D – Biološki aktivne tvari – Vitamini (D1), Psihoaktivne tvari (D2), Ostale biološki aktivne tvari (D3)** *(Biologically Active Substances - Vitamins (D1), Psychoactive Substances (D2), other Biologically Active Substances (D3))*	**B – Elementi (B1) i elementne specije (B2)** (*Elements (B1) and elemental species (B2)*)	**D – Biološki aktivne tvari – psihoaktivne tvari (D2)** *(Biologically Active Substances – Psychoactive Substances (D2))*	

Oznaka (*Identification*)	**Materijali /Proizvodi** (*Materials/Products*)	**Vrsta ispitivanja/Svojstvo** (*Type of test/Property*)	**Tehnika** (Technique)	**Metoda ispitivanja** (Test method)
I – GMO				
I-A1-1	**Hrana i hrana za životinje** *Food and Feed*	**Kvalitativno određivanje genetske modifikacije, utvrđivanje prisutnosti DNA sljedova karakterističnih za GMO** *Qualitative detection of genetic modification, determination of the presence of DNA sequences characteristic of GMOs*	**qPCR**	Prema popisu metoda dostupnim na L According to the list of methods available on www.hzjz.hr
I-A2-1		**Kvantitativno određivanje genetske modifikacije** *Quantitative detection of genetic modification*		
I – ELEMENTI I ELEMENTNE SPECIJE (*Elements and elemental species*)				
I-B1-2	**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
I-B2-3	**Hrana i hrana za životinje** *Food and Feed*	**Određivanje elementnih specija** *Determination of elemental species*	**HPLC-ICP-MS**	

I-B1-4	**Hrana i hrana za životinje** *Food and Feed*	**Određivanje odabranih elemenata** *Determination of selected element*	**AAS (CV AAS)**	According to the list of methods available on www.hzjz.hr
I-B2-4	**Hrana i hrana za životinje** *Food and Feed*	**Određivanje elementnih specija** *Determination of elemental species*	**AAS (CV AAS)**	
I-B1-6	**Hrana i hrana za životinje** *Food and Feed*	**Određivanje odabranih elemenata** *Determination of selected element*	**ICP-OES**	
I – ADITIVI (*Aditives*)				
I-C1-5	**Hrana** *Food*	**Određivanje nitrata** *Determination of nitrates*	**HPLC**	Prema popisu metoda dostupnim na www.hzjz.hr According to the list of methods available on www.hzjz.hr
I-C2-5	**Hrana** *Food*	**Određivanje sladila** *Determination o Sweeteners*	**HPLC**	
I-C3-5	**Hrana** *Food*	**Određivanje bojila** *Determination of colors*	**HPLC**	
I-C4-5	**Hrana** *Food*	**Određivanje konzervansa** *Determination of preservatives*	**HPLC**	
I – BIOLOŠKI AKTIVNE TVARI *(Biologically Active Substances)*				
I-D1-5	**Hrana** Food	**Određivanje vitamina** *Determination of vitamins*	**HPLC**	Prema popisu metoda dostupnim na www.hzjz.hr According to the list of methods available on www.hzjz.hr
I-D2-5	**Hrana** Food	**Određivanje psihoaktivnih tvari** *Determination of psychoactive substances*	**HPLC**	
I-D3-5	**Hrana** *Food*	**Određivanje ostalih biološki aktivnih tvari** *Determination of other biologically active substances*	**HPLC**	
II – ELEMENTI I ELEMENTNE SPECIJE (*Elements and elemental species*)				
II-B1-2	**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
II-B2-3	***Voda*** *Water*	**Određivanje elementnih specija** *Determination of elemental species*	**HPLC-ICP-MS**	Prema popisu metoda dostupnim na www.hzjz.hr According to the list of methods available on www.hzjz.hr

III– BIOLOŠKI AKTIVNE TVARI *(Biologically Active Substances)*				
III-D2-5	**Biljni materijal** *Plant material*	**Određivanje psihoaktivnih tvari** *Determination of psychoactive substances*	**HPLC**	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*):
- **CV AAS** – Tehnika hladnih para - Analizator žive (Mercury Analyser)
- **HPLC -** Tekućinska kromatografija visoke djelotvornosti (*High-performance liquid chromatography*)
- **ICP-OES** – Optičko emisijski spektrometar uz induktivno spregnutu plazmu (Inductively Coupled Plasma-Optical Emission Spectrometer)

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.
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