



## Potvrda o akreditaciji Accreditation Certificate

### Ovime se utvrđuje da je

This is to recognize that

**E. C. INSPEKT d.o.o.**

**Odjel za laboratorijsku djelatnost**

Josipa Pupačića 2, HR-10090 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 vina, hrane, voda, otpada, tla, mulja, mikrobiološke  
čistoće objekata i predmeta opće uporabe**

**Uzorkovanje voda, otpada, mulja i okolišnih uzoraka u proizvodnji  
hrane**

Testing of wine, food, waters, waste, soil, sludge, microbiological cleanliness  
of facilities and objects of common use

Sampling of water, waste, sludge and environmental samples in food  
production

**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.:** 1554

**Klasa/Ref.No.:** 383-02/21-30/034

**Urbroj/Id.No.:** 569-02/1-22-27

Zagreb, 2022-03-24

**Akreditacija istječe**-Accreditation expiry: 2027-03-23

**Prva akreditacija**-Initial accreditation: 2006-11-30

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

### Ravnateljica:

Director General:

mr. sc. Mirela Zečević



**HAA**

**Hrvatska akreditacijska agencija**  
Croatian Accreditation Agency

**PRILOG POTVRDI O AKREDITACIJI br: 1554**

*Annex to Accreditation Certificate Number:*

Klasa/Ref. No.: 383-02/21-30/034

Urbroj/Id. No.: 569-02/1-23-26

Datum izdanja priloga /Annex Issued on: 2023-04-27

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Klasa/Ref. No.: 383-02/21-30/034

Urbroj/Id. No.: 569-02/1-22-26

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

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

**Akreditacija istječe: 2027-03-23**

*Accreditation expiry:*

**Prva akreditacija: 2006-11-30**

*Initial accreditation:*

**Akreditirani laboratorij**

*Accredited Laboratory*

**E. C. INSPEKT d.o.o.**

**Odjel za laboratorijsku djelatnost**

Josipa Pupačića 2, HR-10090 Zagreb

**Područje akreditacije:**

*Scope of Accreditation:*

**Ispitivanje vina, hrane, voda, otpada, tla, mulja, mikrobiološke čistoće objekata  
i predmeta opće uporabe**

**Uzorkovanje voda, otpada, mulja i okolišnih uzoraka u proizvodnji hrane**  
*Testing of wine, food, waters, waste, soil, sludge, microbiological cleanliness of facilities  
and objects of common use*

*Sampling of water, waste, sludge and environmental samples in food production*

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

**Ravnateljica:**

*Director General:*

**mr. sc. Mirela Zečević**

**PODRUČJE AKREDITACIJE / SCOPE OF ACCREDITATION**

<b>Br. No.</b>	<b>Materijali/Proizvodi</b> <i>Materials/Products</i>	<b>Vrsta ispitivanja/Svojstvo</b> <i>Type of test/Property</i> <b>Raspon/Range</b>	<b>Metoda ispitivanja</b> <i>Test method</i>
1.	Mošt, vino i voćno vino <i>Must, wine, and fruit wine</i>	Određivanje gustoće i relativne gustoće elektronskom denzitometrijom s frekventnim oscilatorom <i>Determination of the Density and specific gravity by electronic densitometry using a frequency oscilator</i>	OIV-MA-AS2-01A:R2012 Compendium of International Methods of Analysis of Wines and Musts <i>(Type I method)</i>
2.	Vino i voćno vino <i>Wine, and fruit wine</i>	Određivanje alkoholne jakosti elektronskom denzitometrijom s frekventnim oscilatorom <i>Determination of the alcoholic strength by electronic densitometry using a frequency oscilator</i>	OIV-MA-AS312-01A:R2016 Compendium of International Methods of Analysis of Spirituous Beverages of Vitivincultural Origin <i>(Type I method B)</i>
3.	Mošt, vino i voćno vino <i>Must, wine, and fruit wine</i>	Određivanje ukupnog suhog ekstrakta <i>Determination of total dry extract</i>	OIV-MA-AS2-03B:R2012 Compendium of International Methods of Analysis of Wines and Musts <i>(Type IV method)</i>
4.		Određivanje reducirajućih šećera <i>Determination of reducing sugars</i>	OIV-MA-AS311-01A:R2009 Compendium of International Methods of Analysis of Wines and Musts <i>(Type IV method)</i>
5.		Određivanje ukupnog pepela <i>Determination of ash content</i>	OIV-MA-AS2-04:R2009 Compendium of International Methods of Analysis of Wines and Musts <i>(Type I method)</i>
6.		Određivanje pH vrijednosti <i>Determination of pH value</i>	OIV-MA-AS313-15:R2011 Compendium of International Methods of Analysis of Wines and Musts <i>(Type I method)</i>
7.		Određivanje ukupne kiselosti <i>Determination of total acidity</i>	OIV-MA-AS313-01:R2015 Compendium of International Methods of Analysis of Wines and Musts <i>(Type I method)</i>

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8.	Mošt, vino i voćno vino Must, wine, and fruit wine	Određivanje hlapive kiselosti Determination of volatile acidity	OIV-MA-AS313-02:R2015 Compendium of International Methods of Analysis of Wines and Musts (Type I method)
9.		Određivanje slobodnog i ukupnog sumpornog dioksida Determination of free and total sulphur dioxide	OIV-MA-AS323-04A:R2012 Compendium of International Methods of Analysis of Wines and Musts (Type II method)
10.		Određivanje ugljikovog dioksida afrometrom Determination of carbon dioxide by aphrometer	OIV-MA-AS314-02:R2003 Compendium of International Methods of Analysis of Wines and Musts (Type I method)
11.	Žitarice i proizvodi mljevenja žitarica Cereals and milled cereal products	Određivanje ukupnog pepela Determination of ash content	HRN EN ISO 2171:2010 (ISO 2171:2007; EN ISO 2171:2010)
12.	Mirodije i začini Spices and condiments	Određivanje ukupnog pepela Determination of ash content	HRN ISO 928:2001 (ISO 928:1997)
13.	Čaj Tea	Određivanje ukupnog pepela Determination of ash content	HRN ISO 1575:2001 (ISO 1575:1987)
14.	Proizvodi od voća i povrća Fruit and vegetable products	Određivanje količine topljive suhe tvari (refraktometrijski) Determination of soluble solids content (refractometric method)	HRN ISO 2173:2008 (ISO 2173:2003)
15.		Određivanje kiselosti titracijom Determination of acidity by titration	HRN ISO 750:2001 (ISO 750:1998)
16.		Određivanje pH vrijednosti Determination of pH value	HRN ISO 1842:2001 (ISO 1842:1991)
17.	Hrana Food	Određivanje vode halogenim vlagomjerom Determination of moisture by halogen moisture analyzer	Vlastita metoda In-house method RU-FKL-7.2.1-17 Izdanje/Edition 2 2021-05-04

<b>Br. No.</b>	<b>Materijali/Proizvodi</b> <i>Materials/Products</i>	<b>Vrsta ispitivanja/Svojstvo</b> <i>Type of test/Property</i> <b>Raspon/Range</b>	<b>Metoda ispitivanja</b> <i>Test method</i>
18.	Vino <i>Wine</i>	Određivanje olova (Pb) u vinima atomskom apsorpcijskom spektrometrijom nakon mikrovalne razgradnje <i>Determination of lead (Pb) in wine by atomic absorption spectrometry after microwave digestion</i>	Vlastita metoda <i>In-house method</i> RU-FKL-7.2.1-33 Izdanje/Edition 1 2020-04-16
19.	Voće, povrće i proizvodi od voća i povrća <i>Fruits, vegetables and fruit and vegetable products</i>	Određivanje kositra (Sn) atomskom apsorpcijskom spektrometrijom (AAS – plamena tehnika) <i>Determination of tin (Sn) by atomic absorption spectrometry (AAS – flame technique)</i>	HRN EN 13804:2013 <i>(EN 13804:2013)</i> HRN ISO 17240:2008 <i>(ISO 17240:2004)</i>
20.	Keramika, porculan <i>Ceramic, porcelain</i>	Određivanje olova (Pb), kadmija (Cd)- Atomskom apsorpcijskom spektrometrijom <i>Determination of lead (Pb), cadmium (Cd) by atomic absorption spectrometry</i>	HRN ISO 6486-1:2020 <i>(ISO 6486-1:2019)</i> HRN ISO 8391-1 :1998 <i>(ISO 8391-1:1986)</i>
21.	Metalne armature koje se koriste za vodu za ljudsku potrošnju <i>Metal fittings for water for human consumption</i>	Otpuštanje teških metala Pb, Ni, Cu, Cr u vodu za ljudsku potrošnju iz metalnih armatura <i>Release of heavy metals Pb, Ni, Cu, Cr in water for human consumption from the metal fittings</i>	HRN ISO 8288:1998 <i>(ISO 8288:1986)</i> HRN EN ISO 15586:2008 <i>(ISO 15586:2003; EN ISO 15586:2003)</i>
22.	Hrana <i>Food</i>	Horizontalna metoda za dokazivanje prisutnosti, određivanje broja i serotipizaciju <i>Salmonella</i> spp - 1. dio: Dokazivanje prisutnosti <i>Salmonella</i> spp. <i>Horizontal method for the detection, enumeration and serotyping of Salmonella -- Part 1: Detection of Salmonella spp.</i>	HRN EN ISO 6579-1:2017 <i>(ISO 6579-1:2017; EN ISO 6579-1:2017)</i>  HRN EN ISO 6579-1:2017/A1:2020 <i>(ISO 6579-1:2017/Amd1:2020; EN ISO 6579-1:2017/A1 2020)</i>

Br. No.	Materijali/Proizvodi Materials/Products	Vrsta ispitivanja/Svojstvo Type of test/Property Raspon/Range	Metoda ispitivanja Test method
23.		<p>Horizontalna metoda za određivanje broja kvasaca i plijesni -1. dio: Tehnika brojenja kolonija u proizvodima s aktivitetom vode većim od 0,95; 2. dio: Tehnika brojenja kolonija u proizvodima s aktivitetom vode manjim ili jednakim 0,95</p> <p><i>Horizontal method for the enumeration of yeast and moulds-Part 1: Colony count technique in products with water activity greater than 0,95; Part2: Colony count technique in products with water activity less than or equal to 0,95</i></p>	<p>HRN ISO 21527-1:2012 (ISO 21527-1:2008) HRN ISO 21527-2:2012 (ISO 21527-2:2008)</p>
24.	<p>Hrana Food</p>	<p>Horizontalna metoda za određivanje broja mikroorganizama -1. dio: Određivanje broja kolonija pri 30°C tehnikom zalijeivanja podloge; 2. dio: Određivanje broja kolonija pri 30°C tehnikom nasadivanja na površinu podloge</p> <p><i>Horizontal method for the enumeration of microorganisms – Part 1: Colony-count technique at 30°C by the pour plate technique; Part 2: Colony count at 30°C by the surface plating technique</i></p>	<p>HRN EN ISO 4833-1:2013 (ISO 4833-1:2013; EN ISO 4833-1:2013)</p> <p>HRN EN ISO 4833-1:2013/A1:2022 (ISO 4833-1:2013/Amd1:2022; EN ISO 4833-1:2013/A1:2022)</p> <p>HRN EN ISO 4833-2:2013 (ISO 4833-2:2013; EN ISO 4833-2:2013)</p> <p>HRN EN ISO 4833-2:2013/Isp.1:2014 (ISO 4833-2:2013/Cor1:2014; EN ISO 4833-2:2013/AC:2014)</p> <p>HRN EN ISO 4833-2:2013/A1:2022 (ISO 4833-2:2013/Amd1:2022; EN ISO 4833-2:2013/A1:2022)</p>

Br. No.	Materijali/Proizvodi Materials/Products	Vrsta ispitivanja/Svojtvo Type of test/Property Raspon/Range	Metoda ispitivanja Test method
25.	Hrana Food	Horizontalna metoda za dokazivanje prisutnosti i određivanje broja <i>Listeria monocytogenes</i> i drugih <i>Listeria</i> spp. -- 1. dio: Metoda dokazivanja prisutnosti <i>Horizontal method for the detection and enumeration of Listeria monocytogenes and other Listeria spp. -- Part 1.: Detection method</i>	HRN EN ISO 11290-1:2017 ( <i>ISO 11290-1:2017;</i> <i>EN ISO 11290-1:2017</i> )
26.		Horizontalna metoda za dokazivanje prisutnosti i određivanje broja <i>Enterobacteriaceae</i> – 1. dio: Dokazivanje prisutnosti <i>Enterobacteriaceae</i> <i>Horizontal method for the detection and enumeration - Part 1.: Detection of Enterobacteriaceae</i>	HRN EN ISO 21528-1:2017 ( <i>ISO 21528-1:2017;</i> <i>EN ISO 21528-1:2017</i> )
27.		Horizontalna metoda za dokazivanje prisutnosti i određivanje broja <i>Enterobacteriaceae</i> – 2. dio: Postupak određivanja broja kolonija <i>Horizontal method for the detection and enumeration of Enterobacteriaceae -- Part 2.: Colony-count technique</i>	HRN EN ISO 21528-2:2017 ( <i>ISO 21528-2:2017;</i> <i>EN ISO 21528-2:2017</i> )
28.		Horizontalna metoda određivanja broja koagulaza pozitivnih stafilokoka ( <i>Staphylococcus aureus</i> i druge vrste) – 1. dio: Postupak primjene Baird-Parkerove hranjive podloge <i>Horizontal method for the enumeration of coagulase positive (Staphylococcus aureus and other species) – Part 1.: Technique using Baird-Parker agar medium</i>	HRN EN ISO 6888-1:2021 ( <i>ISO 6888-1:2021;</i> <i>EN ISO 6888-1:2021</i> )



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29.	Hrana <i>Food</i>	Horizontalna metoda određivanja broja beta-glucuronidasa pozitivne <i>Escherichia coli</i> - 2. dio: Brojenje kolonija pri 44°C uporabom 5-bromo-4-chloro-3-indolyl beta-D-glucuronide  <i>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</i>	HRN ISO 16649-2:2001 <i>(ISO 16649-2:2001)</i>
30.		Horizontalna metoda za dokazivanje prisutnosti i određivanje broja <i>Listeria monocytogenes</i> i drugih <i>Listeria</i> spp. - 2. dio: Metoda određivanja broja  <i>Horizontal method for the detection and enumeration of Listeria monocytogenes and other Listeria spp. - Part 2.: Enumeration method</i>	HRN EN ISO 11290-2:2017 <i>(ISO 11290-2:2017; EN ISO 11290-2:2017)</i>
31.	Voda za ljudsku potrošnju <i>Water for human consumption</i>	Brojenje <i>Escherichia coli</i> i koliformnih bakterija - 1. dio: Metoda membranske filtracije za vode s niskom pozadinom bakterijske flore  <i>Enumeration of Escherichia coli and coliform bacteria-Part 1.: Membrane filtration method for waters with low bacterial background flora</i>	HRN EN ISO 9308-1:2014 <i>(ISO 9308-1:2014; EN ISO 9308-1:2014)</i>  HRN EN ISO 9308-1:2014/A1:2017 <i>(ISO 9308-1:2014/Amd1:2016; EN ISO 9308-1:2014/A1:2017)</i>
32.		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 <i>(ISO 7899-2:2000; EN ISO 7899-2:2000)</i>



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33.	Voda za ljudsku potrošnju <i>Water for human consumption</i>	Brojenje uzgojenih mikroorganizama - Broj kolonija naciepljivanjem na hranjivi agar <i>Enumeration of culturable microorganisms - 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>
34.	Stakleno posuđe, pribor i oprema <i>Glassware in contact with food</i>	Određivanje olova (Pb) i kadmija (Cd)-AAS <i>Determination of lead (Pb) and cadmium (Cd) by atomic absorption spectrometry</i>	HRN ISO 7086-1:2020 <i>(ISO 7086-1:2019)</i> HRN ISO 7086-2:2000 <i>(ISO 7086-2:2000)</i>
35.	Glineno posuđe, pribor i oprema <i>Clayware in contact with food</i>	Određivanje olova (Pb) i kadmija (Cd)-AAS <i>Determination of lead (Pb) and cadmium (Cd) by atomic absorption spectrometry</i>	HRN ISO 6486-1:2020 <i>(ISO 6486-1:2019)</i> HRN ISO 6486-2:1999 <i>(ISO 6486-2:1981)</i>  HRN ISO 8391-1:1998 <i>(ISO 8391-1:1986)</i> HRN ISO 8391-2:1998 <i>(ISO 8391-2:1986)</i>
36.	Posuđe, pribor, oprema i uređaji za pripremu odnosno posluživanje jela od nehrđajućeg čelika <i>Inoxware in contact with food</i>	Određivanje kroma (Cr), nikla (Ni), mangana (Mn)-AAS <i>Determination of chrome (Cr), nickel (Ni), manganese (Mn) by atomic absorption spectrometry</i>	Vlastita metoda <i>In-house method</i> RU-FKL-7.2.1-39 Izdanje/ <i>Edition</i> 1 2020-04-16  temeljena na/ <i>based on</i> Pravilnik o zdravstvenoj ispravnosti materijala i predmeta koji dolaze u neposredan dodir s hranom NN 125/09, 31/11 Članak 19 <i>Ordinance on health safety of materials and articles intended to come into contact with food</i> Official Gazette No. 125/09, 31/11, Article 19

Br. No.	Materijali/Proizvodi Materials/Products	Vrsta ispitivanja/Svojstvo Type of test/Property Raspon/Range	Metoda ispitivanja Test method
37.	Voda za ljudsku potrošnju Water for human consumption	Određivanje arsena (As) Determination of arsenic (As) Granica kvantifikacije/ Quantification limit: 0,001 mg/L	Vlastita metoda In-house method RU-FKL-7.2.1-40 Izdanje/Edition 1 2020-04-16
38.	Voda za ljudsku potrošnju Water for human consumption	Određivanje cinka (Zn) i bakra (Cu) Determination of zinc (Zn) and copper (Cu) Granica kvantifikacije/ Quantification limit: Zn 0,004 mg/L Cu 0,1 mg/L	HRN ISO 8288:1998 (ISO 8288:1986)
39.		Određivanje kadmija (Cd), nikla (Ni) i olova (Pb) Determination of cadmium (Cd), nickel (Ni) and lead (Pb) Granica kvantifikacije/ Quantification limit: Cd 0,001 mg/L Ni 0,005 mg/L Pb 0,002 mg/L	HRN EN ISO 15586:2008 (ISO 15586:2003; EN ISO 15586:2003)
40.		Uzorkovanje Sampling	HRN ISO 5667-5:2011 (ISO 5667-5:2006)  HRN EN ISO 19458:2008 (ISO 19458:2006; EN ISO 19458:2006)
41.	Voće, povrće i proizvodi od voća i povrća Fruits, vegetables and fruit and vegetable products	Određivanje olova (Pb) i kadmija (Cd) metodom GF-AAS Determination of lead (Pb) and cadmium (Cd) by GF-AAS	Vlastita metoda In-house method RU-FKL-7.2.1-35 modificirane/modified HRN EN 13804:2013 HRN EN 14084:2005 Izdanje/Edition 2 2021-03-11

Br. No.	Materijali/Proizvodi Materials/Products	Vrsta ispitivanja/Svojstvo Type of test/Property Raspon/Range	Metoda ispitivanja Test method
42.	Jaka alkoholna pića Strong alcoholic drinks	Određivanje gustoće i relativne gustoće elektronskim denzitometrom s frekventnim oscilatorom Determination of the density and specific gravity by electronic densitometry using a frequency oscillator	Vlastita metoda In-house method RU-FKL-7.2.1-20 Izdanje/Edition 2 2022-04-22
43.	Jaka alkoholna pića Strong alcoholic drinks	Određivanje alkoholne jakosti elektronskim denzitometrom s frekventnim oscilatorom Determination of the alcoholic strength by electronic densitometry using a frequency oscillator	Vlastita metoda In-house method RU-FKL-7.2.1-19 Izdanje/Edition 2 2022-04-22
44.	Otpadne vode Waste water	Određivanje nikla (Ni), bakra (Cu), cinka (Zn), kadmija (Cd), olova (Pb), kroma (Cr) i željeza (Fe) AAS plamenom tehnikom Determination of nickel (Ni), copper (Cu), zinc (Zn), cadmium (Cd), lead (Pb), chromium (Cr) and iron (Fe) AAS flame technique Granica kvantifikacije/ Quantification limit: Ni 0,03 mg/L Cu 0,01 mg/L Zn 0,01 mg/L Cd 0,01 mg/L Pb 0,02 mg/L Cr 0,02 mg/L Fe 0,04 mg/L	HRN ISO 8288:1998 (ISO 8288:1986)
45.		Određivanje žive (Hg) AAS hidridnom tehnikom Determination of mercury (Hg) AAS hydride technique Granica kvantifikacije/ Quantification limit: 0,01 mg/L	HRN ISO 8288:1998 (ISO 8288:1986)

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46.	Eluati otpada <i>Waste eluates</i>	Određivanje nikla (Ni), bakra (Cu), cinka (Zn), kadmija (Cd) i olova (Pb) AAS plamenom tehnikom <i>Determination of nickel (Ni), copper (Cu), zinc (Zn), cadmium (Cd) and lead (Pb) AAS flame technique</i> Granica kvantifikacije/ <i>Quantification limit:</i> Ni 0,3 mg/kg s.tv. Cu 0,1 mg/ kg s.tv. Zn 0,1 mg/ kg s.tv. Cd 0,1 mg/ kg s.tv. Pb 0,2 mg/ kg s.tv.	HRN ISO 8288:1998 <i>(ISO 8288:1986)</i>
47.	Otpadne vode, eluati otpada <i>Waste water, waste eluates</i>	Određivanje indeksa kemijske potrošnje kisika – Metoda s malim zatvorenim epruvetama <i>Determination of the chemical oxygen consumption index - Method with small closed tubes</i> Granica kvantifikacije/ <i>Quantification limit:</i> 35 mgO <sub>2</sub> /L	HRN ISO 15705:2003 <i>(ISO 15705:2002)</i>
48.		Određivanje suspendiranih tvari metodom filtriranja kroz filter od staklenih vlakana <i>Determination of suspended solids by filtration through glass fibre filters</i> Granica kvantifikacije/ <i>Quantification limit:</i> 6 mg/L	HRN EN 872:2008 <i>(EN 872:2005)</i>
49.	Otpadne vode <i>Waste water</i>	Uzorkovanje <i>Sampling</i>	HRN ISO 5667-10:2020 <i>(ISO 5667-10:2020)</i>

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50.	Voda za ljudsku potrošnju, otpadne vode, eluati otpada <i>Water for human consumption, waste water, waste eluates</i>	Određivanje amonijaka spektrometrijskom metodom <i>Determination of ammonium spectrometric method</i> Granica kvantifikacije/ <i>Quantification limit:</i> 0,06 mg N/L	HRN ISO 7150-1:1998 (ISO 7150-1:1984)
51.	Otpadne vode, eluati otpada, voda za ljudsku potrošnju, <i>Waste water, waste eluates, water for human consumption</i>	Određivanje pH vrijednosti <i>Determination of pH value</i> 2-10 pH jedinica	HRN EN ISO 10523:2012 (ISO 10523:2008; EN ISO 10523:2012)
52.		Određivanje električne vodljivosti <i>Determination of electrical conductivity</i> 80 $\mu$ S/cm – 12,88 mS/cm	HRN EN 27888:2008 (ISO 7888:1985; EN 27888:1993)
53.	Mulj <i>Sludge</i>	Određivanje pH vrijednosti <i>Determination of pH value</i> 2 - 10 pH jedinica	Vlastita metoda <i>In-house method</i> RU-LOV-7.2.1-05 Izdanje/Edition 1 2020-03-30
54.		Određivanje suhog ostatka i sadržaja vode <i>Determination of dry residue and water content</i> Granica kvantifikacije/ <i>Quantification limit:</i> 0,15 mg/L	HRN EN 12880:2005 (EN 12880:2000)
55.	Tlo i otpad <i>Soil and waste</i>	Određivanje nikla (Ni), bakra (Cu), cinka (Zn), kadmija (Cd) i olova (Pb) <i>Determination of nickel (Ni), copper (Cu), zinc (Zn), cadmium (Cd) and lead (Pb)</i> Granica kvantifikacije/ <i>Quantification limit:</i> Cd 0,01 mg/kg Cu 0,01 mg/kg Zn 0,01 mg/kg Pb 0,02 mg/kg Ni 0,03 mg/kg	HRN ISO 8288:1998 (ISO 8288:1986)

Br. No.	Materijali/Proizvodi Materials/Products	Vrsta ispitivanja/Svojstvo Type of test/Property Raspon/Range	Metoda ispitivanja Test method
56.	Igračke s premazom od boje, laka, grafičkih boja, polimera i sličnih premaza Toys with coatings of paint, varnish, lacquer, printing ink, polymer and similar coatings	Otpuštanje određenih elemenata bakra (Cu), arsena (As) i žive (Hg) Migration of certain elements copper (Cu) arsenic (As) and mercury (Hg)	HRN EN 71-3:2021 (EN 71-3:2019+A1:2021)
57.	Otpadne vode Waste water	Određivanje ukupnog fosfora Spektrofotometrijska metoda Determination of total phosphor using a manual spectrometric method Granica kvantifikacije/ Quantification limit: 0,10 mg P/L	Vlastita metoda In-house method RU-LOV-7.2.1-12 Izdanje/Edition 1 2020-03-30 modificirana/modified Standard Methods 23 <sup>rd</sup> Ed. 2017 4500-P B-5,D
58.	Otpadne vode, voda za ljudsku potrošnju Waste water, water for human consumption	Određivanje klorida - Volumetrijska metoda sa srebrnim nitratom uz kromatni indikator-Mohrova metoda Determination of chloride-Silver nitrate titration with chromate indicator-Mohrs method Granica kvantifikacije/ Quantification limit: 3 mg/L	HRN ISO 9297:1998 (ISO 9297:1989)
59.		Određivanje nitrata-UV spektrofotometrija Determination of nitrate Ultraviolet Spectrophotometric Methods Granica kvantifikacije/ Quantification limit: N 0,12 mg/L NO <sup>3-</sup> 0,5 mg/L	Standard Methods 23 <sup>rd</sup> Ed. 2017 4500-NO <sub>3</sub> <sup>-</sup> B

<b>Br. No.</b>	<b>Materijali/Proizvodi</b> <i>Materials/Products</i>	<b>Vrsta ispitivanja/Svojstvo</b> <i>Type of test/Property</i> <b>Raspon/Range</b>	<b>Metoda ispitivanja</b> <i>Test method</i>
60.	Otpadne vode, voda za ljudsku potrošnju <i>Waste water, water for human consumption</i>	Određivanje nitrita- Molekularna apsorpcijska spektrometrijska metoda <i>Determination of nitrite- Molecular absorption spectrometric method</i> Granica kvantifikacije/ <i>Quantification limit:</i> N 0,03 mg/L NO <sup>2-</sup> 0,1mg/L	HRN EN 26777:1998 <i>(ISO 6777:1984; EN 26777:1993)</i>
61.	Kozmetika <i>Cosmetics</i>	Određivanje pH vrijednosti <i>Determination of pH</i>	Vlastita metoda <i>In-house method</i> RU-FKL-7.2.1-31 Izdanje/Edition 1 2020-04-14
62.	Otpadne vode, voda za ljudsku potrošnju <i>Waste water, water for human consumption</i>	Određivanje temperature <i>Determination of temperature</i> od 1°C do 50°C	Standard Methods 23 <sup>rd</sup> Ed. 2017 2550 B
63.	Otpadne vode <i>Waste water</i>	Određivanje anionskih detergenata <i>Determination of the anionic surfactants</i> Granica kvantifikacije/ <i>Quantification limit:</i> 0,15 mg/L	HRN EN 903:2002 <i>(EN 903:1993)</i>
64.		Određivanje kationskih detergenata <i>Determination of the cationic surfactants</i> Granica kvantifikacije/ <i>Quantification limit:</i> 0,17 mg/L	Vlastita metoda <i>In-house method</i> RU-LOV-7.2.1-15 Izdanje/Edition 1 2020-03-30
65.		Određivanje otopljenog kisika <i>Determination of dissolved oxygen</i> 0,1 mg/L – 5 mg/L	HRN EN ISO 5814:2013 <i>(ISO 5814:2012; EN ISO 5814:2012)</i>
66.	Otpad <i>Waste</i>	Uzorkovanje <i>Sampling</i>	HRI CEN/TR 15310-2:2008 <i>(CEN/TR 15310-2:2006)</i>



<b>Br. No.</b>	<b>Materijali/Proizvodi</b> <i>Materials/Products</i>	<b>Vrsta ispitivanja/Svojstvo</b> <i>Type of test/Property</i> <b>Raspon/Range</b>	<b>Metoda ispitivanja</b> <i>Test method</i>
67.	Mulj <i>Sludge</i>	Uzorkovanje <i>Sampling</i>	HRN EN ISO 5667-13:2011 <i>(ISO 5667-13:2011; EN ISO 5667-13:2011)</i>
68.	Okolišni uzorci u proizvodnji hrane <i>Environmental samples in food production</i>	Horizontalne metode za postupke uzorkovanja s površine <i>Horizontal methods for surface sampling</i>	HRN EN ISO 18593:2019 <i>(ISO 18593:2018; EN ISO 18593:2018)</i>
69.	Osvježavajuća pića <i>Soft drinks</i>	Određivanje CO <sub>2</sub> afrometrom <i>Determination of carbon dioxide by apherometer</i>	Vlastita metoda <i>In-house method</i> RU-FKL-7.2.1-18 Izdanje/Edition 1 2020-04-14
70.	Otpadne vode <i>Waste water</i>	Određivanje ukupnog suhog ostatka na 105°C u otpadnoj vodi <i>Determine the total dry residue at 105°C in waste water</i> Granica kvantifikacije/ <i>Quantification limit:</i> 6 mg/L	Standard Methods 23 <sup>rd</sup> Ed. 2017 22 2540 Bion 2540 B
71.		Određivanje taložive tvari po IMHOFF-U <i>Determination of precipitate by IMHOFF</i> Granica kvantifikacije/ <i>Quantification limit:</i> 0,1 ml/Lh	Standard Methods 23 <sup>rd</sup> Ed. 2017 SM 2540 F
72.		Određivanje ukupnog dušika <i>Determination of Total Nitrogen</i> Granica kvantifikacije/ <i>Quantification limit:</i> 5 mg/L	Vlastita metoda <i>In-house method</i> RU-LOV-7.2.1-22 Izdanje/Edition 2 2022-02-14 Kivetni test/ <i>Cuvette test</i> Hach Lange LCK 238 Hach Lange LCK 338

Br. No.	Materijali/Proizvodi Materials/Products	Vrsta ispitivanja/Svojstvo Type of test/Property Raspon/Range	Metoda ispitivanja Test method
73.	Voda za ljudsku potrošnju Water for human consumption	Određivanje indeksa ugljikovodika <i>Determination of hydrocarbon index</i> Granica kvantifikacije/ <i>Quantification limit:</i> 15 µg/L	Vlastita metoda <i>In-house method</i> RU-FKL-7.2.1-32 modificirana/modified HRN EN ISO 9377-2 Izdanje/Edition 1 2020-04-16
74.		Određivanje mirisa <i>Determination of odor</i>	Vlastita metoda <i>In-house method</i> RU-FKL-7.2.1-23 Izdanje/Edition 1 2020-04-14
75.		Određivanje okusa <i>Determination of taste</i>	Vlastita metoda <i>In-house method</i> RU-FKL-7.2.1-23 Izdanje/Edition 1 2020-04-14
76.		Određivanje slobodnog rezidualnog klora <i>Determination of free residual chlorine</i> Granica kvantifikacije/ <i>Quantification limit:</i> 0,02 mg/L	Vlastita metoda <i>In-house method</i> RU-FKL-7.2.1-22 Izdanje/Edition 1 2020-04-14
77.		Određivanje permanganatnog indeksa <i>Determination of permanganate index</i> Granica kvantifikacije/ <i>Quantification limit:</i> 0,20 mg O <sub>2</sub> /L	HRN EN ISO 8467:2001 (ISO 8467:1993; EN ISO 8467:1995)
78.	Otpadne vode Waste water	Određivanje fenola <i>Determination of phenolics</i> Granica kvantifikacije/ <i>Quantification limit:</i> 0,05 mg/L	Vlastita metoda <i>In-house method</i> RU-LOV-7.2.1-24 Izdanje/Edition 2 2022-02-14 Kivetni test/Cuvette test Hach Lange LCK 345

Br. No.	Materijali/Proizvodi Materials/Products	Vrsta ispitivanja/Svojstvo Type of test/Property Raspon/Range	Metoda ispitivanja Test method
79.	Otpadne vode Waste water	Određivanje neionskih detergenata <i>Determination of nonionic surfactants</i> Granica kvantifikacije/ <i>Quantification limit:</i> 0,20 mg/L	Vlastita metoda <i>In-house method</i> RU-LOV-7.2.1-23 Izdanje/Edition 2 2022-02-14 Kivetni test/Cuvette test Hach Lange LCK 333
80.	Voda za ljudsku potrošnju Water for human consumption	Određivanje mutnoće <i>Determination of turbidity</i> (0,14 - 100) NTU	HRN EN ISO 7027-1:2016 ( <i>ISO 7027-1:2016;</i> <i>EN ISO 7027-1:2016</i> )
81.		Određivanje boje <i>Determination of color</i> Granica kvantifikacije/ <i>Quantification limit:</i> Pt/Co: 5 mg/L	Vlastita metoda <i>In-house method</i> RU-FKL-7.2.1-46 Izdanje/Edition 2 2022-03-18
82.		Detekcija i brojenje <i>Pseudomonas aeruginosa</i> – Metoda membranske filtracije <i>Detection and enumeration of Pseudomonas aeruginosa</i> - <i>Method by membrane filtration</i>	HRN EN ISO 16266:2008 ( <i>ISO 16266:2006;</i> <i>EN ISO 16266:2008</i> )

Uz pripremu analitičkog uzorka eluata otpada prema HRN EN 13657:2008  
(*EN 13657:2002*) / *With the preparation of waste eluates for analysis according to HRN EN 13657:2008 (EN 13657:2002)*