

Br./No	Metoda ispitivanja/Testing method	Godina izdanja/Year of publication
1.	<b>HRN EN 14275</b> Goriva za motorna vozila -- Ocjena kvalitete benzina i dizelskoga goriva -- Uzorkovanje iz pumpi na benzinskim postajama i komercijalnih istakača goriva <i>Automotive fuels -- Assessment of petrol and diesel fuel quality -- Sampling from retail site pumps and commercial site fuel dispensers</i>	<b>2013.</b>
2.	<b>HRN EN 13016-1</b> Tekući naftni proizvodi -- Tlak para -- 1. dio: Određivanje tlaka para ugljikovodika zasićenih zrakom (ASVP) i izračunavanje tlaka para ugljikovodika u suhom zraku (DVPE) <i>Liquid petroleum products -- Vapour pressure -- Part 1: Determination of air saturated vapour pressure (ASVP) and calculated dry vapour pressure equivalent (DVPE)</i>	<b>2018.</b>
3.	<b>HRN EN ISO 12185</b> Nafta i naftni proizvodi -- Određivanje gustoće -- Metoda s oscilirajućom U-cijevi <i>Crude petroleum and petroleum products -- Determination of density -- Oscillating U-tube method</i>	<b>1999.</b>
4.	<b>ASTM D4052</b> Standard Test Method for Density, Relative Density, and API Gravity of Liquids by Digital Density	<b>2022.</b>
5.	<b>HRN EN ISO 3405</b> Naftni proizvodi -- Određivanje značajki destilacije pri atmosferskom tlaku <i>Petroleum and related products from natural or synthetic sources -- Determination of distillation characteristics at atmospheric pressure</i>	<b>2019.</b>
6.	<b>ASTM D86</b> Standard Test Method for Distillation of Petroleum Products and Liquid Fuels at Atmospheric Pressure	<b>2020b.</b>
7.	<b>HRN EN ISO 2719</b> Određivanje točke paljenja -- Metoda u zatvorenoj posudi po Pensky-Martensu (Postupak A i C) <i>Determination of flash point -- Pensky-Martens closed cup method -- (Procedure A and C)</i>	<b>2016/A1:2021.</b>
8.	<b>ASTM D7042</b> Standard Test Method for Dynamic Viscosity and Density of Liquids by Stabinger Viscometer (and the Calculation of Kinematic Viscosity)	<b>2021a.</b>
9.	<b>HRN EN 116</b> Dizelsko gorivo i loživo ulje ekstra lako -- Određivanje točke filtrabilnosti -- Metoda postupnog hlađenja <i>Diesel and domestic heating fuels -- Determination of cold filter plugging point -- Stepwise cooling bath method</i>	<b>2015.</b>
10.	<b>HRN EN ISO 4264</b> Naftni proizvodi -- Izračunavanje cetanskog indeksa za srednje destilatna goriva pomoću jednadžbe s četiri veličine <i>Petroleum products -- Calculation of cetane index of middle-distillate fuels by the four variable equation</i>	<b>2018.</b>



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11.	<b>HRN EN 228</b> Goriva za motorna vozila -- Bezolovni motorni benzin -- Zahtjevi i metode ispitivanja <i>Automotive fuels -- Unleaded petrol -- Requirements and test methods -- National Annex</i>	<b>2017/NA:2020/</b> <b>Ispr.1:2020</b>
12.	<b>HRN EN 13723</b> Naftni proizvodi -- Određivanje male količine olova u motornim benzinima -- Valno disperzivna rendgenska fluorescentna spektrometrija (XRF) <i>Petroleum products -- Determination of low lead contents in gasolines -- Wavelength-dispersive X-ray fluorescence spectrometry (XRF)</i>	<b>2003.</b>
13.	<b>HRN EN 15553</b> Naftni proizvodi i srodni materijali -- Određivanje vrste ugljikovodika -- Adsorpcijska metoda s fluorescentnim indikatorom <i>Petroleum products and related materials -- Determination of hydrocarbon types -- Fluorescent indicator adsorption method</i>	<b>2021.</b>
14.	<b>HRN EN 238/A1</b> Tekući naftni proizvodi -- Benzin -- Određivanje količine benzena pomoću infracrvene spektrometrije <i>Liquid petroleum products -- Petrol -- Determination of the benzene content by infrared spectrometry</i>	<b>1997/A1:2005</b>
15.	<b>HRN EN 13132</b> Tekući naftni proizvodi -- Bezolovni benzin -- Određivanje organskih kisikovih spojeva i ukupnog sadržaja organski vezanog kisika plinskom kromatografijom s preusmjeravanjem toka <i>Liquid petroleum products -- Unleaded petrol -- Determination of organic oxygenate compounds and total organically bound oxygen content by gas chromatography using column switching</i>	<b>2002.</b>
16.	<b>Vlastita metoda In-house method</b> <b>50340079-578-21</b> <b>Modificirana HRN EN 13132</b> Tekući naftni proizvodi -- Bezolovni benzin -- Određivanje organskih kisikovih spojeva (eteri s 5 ili više C-atoma, drugi oksigenati) plinskom kromatografijom s preusmjeravanjem toka <b>Modified HRN EN 13132</b> <i>Liquid petroleum products -- Unleaded petrol -- Determination of organic oxygenate compounds (ethers with 5 or more carbon atoms, other oxygenates) by gas chromatography with flow diversion</i>	<b>2021.</b>
17.	<b>ASTM D5291</b> Standard Test Methods for Instrumental Determination of Carbon, Hydrogen, and Nitrogen in Petroleum Products and Lubricants	<b>2021.</b>
18.	<b>Vlastita metoda In-house method</b> <b>50340079-298-20</b> <b>Modificirana ASTM D5291 postupak A</b> Određivanje ugljika, vodika i dušika <b>Modified ASTM D5291 procedure A</b> Determination of carbon, hydrogen and nitrogen	<b>2020.</b>

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19.	<b>ASTM D2622</b> - Standard Test Method For Sulfur in Petroleum Products By Wavelength Dispersive X-Ray Fluorescence Spectrometry	2021.
20.	<b>HRN EN 12916</b> Naftni proizvodi -- Određivanje tipova aromatskih ugljikovodika u srednjim destilatima -- Metoda tekućinske kromatografije visokog učinka s detektorom indeksa loma (Postupak A)  Petroleum products -- Determination of aromatic hydrocarbon types in middle distillates -- High performance liquid chromatography method with refractive index detection (Procedure A)	2022.
21.	<b>HRN EN ISO 20846</b> Naftni proizvodi -- Određivanje količine sumpora u gorivima za motorna vozila -- Metoda ultraljubičaste fluorescencije  Petroleum products -- Determination of sulfur content of automotive fuels -- Ultraviolet fluorescence method	2019.
22.	<b>HRN EN 14078</b> Tekući naftni proizvodi -- Određivanje količine metilnih estera masnih kiselina (FAME) u srednjim destilatima -- Metoda infracrvene spektrometrije  Liquid petroleum products -- Determination of fatty acid methyl ester (FAME) content in middle distillates -- Infrared spectrometry method	2014.
23.	<b>HRN EN ISO 10523</b> Kvaliteta vode -- Određivanje pH vrijednosti  Water quality -- Determination of pH	2012.
24.	<b>HRN EN 872</b> Kakvoća vode -- Određivanje suspendiranih tvari -- Metoda filtriranjem kroz filter od staklenih vlakana  Water quality -- Determination of suspended solids -- Method by filtration through glass fibre filters	2008.
25.	<b>Vlastita metoda In-house method</b> <b>50340079-207-21</b> <b>Modificirana HRN EN 872</b> Određivanje suspendiranih tvari <b>Modified HRN EN 872</b> -- Determination of suspended solids	2021.
26.	<b>HRN EN 27888</b> Kakvoća vode -- Određivanje električne vodljivosti  Water quality -- Determination of electrical conductivity	2008.
27.	<b>HRN EN 1484</b> Ispitivanje vode -- Smjernice za određivanje ukupnoga organskog ugljika (UOU) i otopljenoga organskog ugljika (OOU)  Water analysis -- Guidelines for the determination of total organic carbon (TOC) and dissolved organic carbon	2002.



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28.	<b>HRN EN 15751</b> Goriva za motorna vozila -- Metilni esteri masne kiseline (FAME) kao gorivo i mješavine s dizelskim gorivom -- Određivanje oksidacijske stabilnosti metodom ubrzane oksidacije  Automotive fuels -- Fatty acid methyl ester (FAME) fuel and blends with diesel fuel - - Determination of oxidation stability by accelerated oxidation method	<b>2014.</b>
29.	<b>HRN EN ISO 11885</b> Kvaliteta vode -- Određivanje određenih elemenata optičkom emisijском spektrometrijom induktivno vezane plazme (ICP-OES)  Water quality -- Determination of selected elements by inductively coupled plasma optical emission spectrometry (ICP-OES)	<b>2010.</b>
30.	<b>HRN EN ISO 10304 – 1</b> Kakvoća vode -- Određivanje otopljenih aniona ionskom tekućinskom kromatografijom -- 1. dio: Određivanje bromida, klorida, fluorida, nitrata, nitrita, fosfata i sulfata  Water quality -- Determination of dissolved anions by liquid chromatography of ions -- Part 1: Determination of bromide, chloride, fluoride, nitrate, nitrite, phosphate and sulfate	<b>2009.</b>
31.	<b>HRN ISO 15705</b> Kakvoća vode -- Određivanje indeksa kemijske potrošnje kisika (KPK) -- Metoda s malim zatvorenim epruvetama  Water quality -- Determination of the chemical oxygen demand index (ST-COD) -- Small-scale sealed-tube method	<b>2003.</b>
32.	<b>HRN ISO 5667- 10</b> Kakvoća vode -- Uzorkovanje -- 10. dio: Smjernice za uzorkovanje otpadnih voda  Water quality -- Sampling -- Part 10: Guidance on sampling of waste water	<b>2020.</b>
33.	<b>HRN EN 15934 Metoda A</b> Muljevi, obrađeni biootpad, tlo i otpad -- Izračunavanje frakcije suhe tvari nakon određivanja suhog ostatka ili sadržaja vode  Sludge, treated biowaste, soil and waste -- Calculation of dry matter fraction after determination of dry residue or water content (Method A)	<b>2013.</b>
34.	<b>Standard Methods for the Examination of Water and Wastewater</b> , 23rd Ed, 2540 B Total Solids Dried at 103-105 °C  <b>Standard Methods for the Examination of Water and Wastewater</b> , 23rd Ed, 2540 C Total Dissolved Solids Dried at 180 °C  Određivanje ukupnih krutina na 105°C i ukupno otopljenih krutina na 180°C u vodama i eluatima Determination of total solids at 105°C and total dissolved solids at 180°C in waters and eluates	<b>2017.</b>



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35.	<b>Standard Methods for the Examination of Water and Wastewater, 23rd Ed, 5520 Oil and Grease B. Liquid-Liquid, Partition-Gravimetric Method</b> Određivanje sadržaja ukupnih ulja i masnoća u vodi gravimetrijski Determination of the content of total oils and fats in water gravimetrically	<b>2017.</b>
36.	<b>HRN EN ISO 20236</b> Kakvoća vode-Određivanje ukupnoga organskog ugljika (TOC), otopljenoga organskog ugljika (DOC), ukupnoga vezanog dušika (TNb) i otopljenoga vezanog dušika (DNb) nakon visokotemperaturne katalitičke oksidacije Water quality -- Determination of total organic carbon (TOC), dissolved organic carbon (DOC), total bound nitrogen (TNb) and dissolved bound nitrogen (DNb) after high temperature catalytic oxidative combustion	<b>2021.</b>
37.	<b>Standard Methods for the Examination of Water and Wastewater, 23rd Ed, 2340 B</b> Calculation of total hardness	<b>2017.</b>
38.	<b>EPA METHOD 7473</b> Determination of total mercury in waste eluates	<b>2007.</b>

Aktivnost/ Activity	Ime i prezime/Name and surname/ Potpis/Signature	Funkcija/Function	Datum/ Date
Izradio/ Prepared by	Dunja Šeremešić 	Vodeći inženjer u I&R laboratoriju/ R&D Laboratory Senior Engineer	21.11.2022.
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