



INDUSTRIJA NAFTE, d.d.

RAFINERIJE I MARKETING/  
REFINING AND MARKETING  
RAFINERIJA NAFTE SISAK/  
SISAK REFINERY  
KONTROLA KVALITETE/  
QUALITY CONTROL**POPIS AKREDITIRANIH METODA ISPITIVANJA**  
**LIST OF ACCREDITED TEST METHODS**Fleksibilno područje akreditacije/  
*Flexible scope of accreditation*Izdanje: 7/22  
List: 1/3

R.br. No.	Naziv normirane metode/ <i>Test method</i>	Godina izdanja/ Year of publication
1.	<b>HRN EN ISO 3675</b> Nafta i tekući naftni proizvodi – Laboratorijsko određivanje gustoće – Metoda areometrom <i>Crude petroleum and liquid petroleum products -- Laboratory determination of density -- Hydrometer method (ISO 3675:1998; EN ISO 3675:1998)</i>	2002
2.	<b>ASTM D1298</b> <i>Standard Test Method for Density, Relative Density (Specific Gravity) or API Gravity of Crude Petroleum and Liquid Petroleum Products by Hydrometer Method</i>	12b (2017)
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 (ISO 12185:1996; EN ISO 12185:1996)</i>	1999
4.	<b>ASTM D4052</b> <i>Standard Test Method for Density and Relative Density of Liquids by Digital Density Meter</i>	22
5.	<b>HRN EN ISO 3405</b> Nafta i srodni proizvodi iz prirodnih ili sintetičkih izvora – Određivanje značajki destilacije pri atmosferskom tlaku <i>Petroleum and related products from natural or synthetic sources – Determination of distillation characteristics at atmospheric pressure</i>	2019
6.	<b>ASTM D86</b> <i>Standard Test Method for Distillation of Petroleum Products and Liquid Fuels at Atmospheric Pressure</i>	20b
7.	<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>	2015
8.	<b>ASTM D6371</b> <i>Standard Test Method for Cold Filter Plugging Point of Diesel and Heating Fuels</i>	17a
9.	<b>HRN EN ISO 2719</b> Određivanje točke paljenja – Metoda u zatvorenoj posudi po Pensky-Martensu <i>Determination of flash point – Pensky-Martens closed cup method</i>	2016 A1: 2021
10.	<b>ASTM D93</b> <i>Standard Test Method for Flash – Point by Pensky – Martens Closed Cup Tester</i>	20
11.	<b>HRN EN 13016-1</b> Tekući naftni proizvodi – Tlak para- 1. dio: Određivanje tlaka para zasićenog zraka (ASVP) i izračunavanje tlaka para 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>	2018
12.	<b>ASTM D5191</b> <i>Standard Test Method for Vapor Pressure of Petroleum Products (Mini Method)</i>	22
13.	<b>HRN EN ISO 3170</b> Tekući naftni proizvodi – Ručno uzorkovanje <i>Petroleum liquids – Manual sampling</i>	2005
14.	<b>ASTM D4057</b> <i>Standard Practice for Manual Sampling of Petroleum and Petroleum Products</i>	22



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R.br No.	Naziv normirane metode/ Test method	Godina izdanja/ Year of publication
15.	<b>HRN EN 13132</b> Tekući naftni proizvodi – Bezolovni benzin – Određivanje organskih kisikovih spojeva i ukupnog sadržaja organski vezanog kisika plinskom kromatografijom s preusmjerenjem 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>	2002
16.	<b>HRN EN 12177</b> Tekući naftni proizvodi – Bezolovni motorni benzin- Određivanje količine benzena plinskom kromatografijom <i>Liquid petroleum products – Unleaded petrol – Determination of benzene content by gas chromatography</i>	1999/ AC: 2002
17.	<b>HRN EN 27941</b> Trgovačka propan-butan smjesa – Analiza plinskom kromatografijom <i>Commercial propane and butane – Analysis by gas chromatography</i>	2003
18.	<b>HRN EN 12916</b> Naftni proizvodi – Određivanje tipova aromatskih ugljikovodika u srednjim destilatima – Metoda tekućinske kromatografije visokog učinka s detektorom indeksa loma <i>Petroleum products – Determination of aromatic hydrocarbon types in middle distillates – High performance liquid chromatography method with refractive index detection</i>	2022
19.	<b>HRN EN ISO 8973</b> Ukapljeni naftni plinovi – Metoda izračunavanja gustoće i tlaka para <i>Liquefied petroleum gases – Calculation method for density and vapour pressure</i>	2002 / A1: 2020
20.	<b>ASTM D1319</b> Standard Test Method for Hydrocarbon Types in Liquid Petroleum Products by Fluorescent Indicator Adsorption	20a
21.	<b>HRN EN 15553</b> Naftni proizvodi i srodni materijali – Određivanje vrste ugljikovodika – Adsorpcijska metoda fluorescentnim indikatorom <i>Petroleum products and related materials – Determination of hydrocarbon types – Fluorescent indicator adsorption method</i>	2021
22.	<b>HRN EN ISO 12937</b> Naftni proizvodi – Određivanje vode – Karl Fischerova kulometrijska metoda <i>Petroleum products – Determination of water – Coulometric Karl Fischer titration method</i>	2001
23.	<b>HRN EN 14078</b> Tekući naftni proizvodi – Određivanje metilnih estera masnih kiselina (FAME) u srednjim destilatima – Metoda infracrvene spektrometrije <i>Liquid petroleum products – Determination of fatty acid methyl ester (FAME) content in middle distillates – Infrared spectrometry method</i>	2014
24.	<b>HRN EN ISO 20846</b> Naftni proizvodi – Određivanje sadržaja sumpora u gorivima za motorna vozila – Metoda ultraljubičaste fluorescencije <i>Petroleum products – Determination of sulfur content of automotive fuels – Ultraviolet fluorescence method</i>	2019
25.	<b>HRN EN ISO 8754</b> Naftni proizvodi – Određivanje količine sumpora – Energetsko disperzivna fluorescencijska spektrometrija rendgenskih zraka <i>Petroleum products – Determination of sulfur content – Energy-dispersive X-ray fluorescence spectrometry</i>	2004



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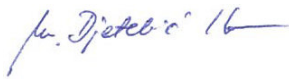

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26.	<b>HRN EN ISO 5163</b> Motorna i avionska goriva – Određivanje karakteristika lupanja motornih i avionskih goriva – Motorna metoda <i>Petroleum products – Determination of knock characteristics of motor and aviation fuels – Motor method</i>	2014
27.	<b>HRN EN ISO 5164</b> Motorna goriva – Određivanje karakteristika lupanja motornih goriva - Istraživačka metoda <i>Petroleum products – Determination of knock characteristics of motor fuels – Research method</i>	2014
28.	<b>HRN EN ISO 5165</b> Naftni proizvodi – Određivanje sposobnosti paljenja dizelskih goriva – Cetanski broj prema motornoj metodi <i>Petroleum products – Determination of the ignition quality of diesel fuels – Cetane engine method</i>	2020

	Ime i prezime / Potpis	Funkcija	Datum
Izradio	 Mateja Djetelić Ibrahimpašić	Voditelj za kvalitetu	15. 11. 2022.
Odobrio	 Tihana Gorenc	Tehnički voditelj	15. 11. 2022.