



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 METHODSFleksibilno područje akreditacije/
*Flexible scope of accreditation*Izdanje: 3/23
List: 1/3

R.br. No.	Naziv normirane metode/ <i>Test method</i>	Izdanje/ <i>Publication issue</i>
1.	HRN EN ISO 12185 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
2.	ASTM D4052 <i>Standard Test Method for Density and Relative Density of Liquids by Digital Density Meter</i>	22
3.	HRN EN ISO 3405 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
4.	ASTM D86 <i>Standard Test Method for Distillation of Petroleum Products and Liquid Fuels at Atmospheric Pressure</i>	23
5.	HRN EN 116 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
6.	ASTM D6371 <i>Standard Test Method for Cold Filter Plugging Point of Diesel and Heating Fuels</i>	17a
7.	HRN EN ISO 2719 Određivanje točke paljenja – Metoda u zatvorenoj posudi po Pensky-Martensu <i>Determination of flash point – Pensky-Martens closed cup method</i>	2016 A1: 2021
8.	ASTM D93 <i>Standard Test Method for Flash – Point by Pensky – Martens Closed Cup Tester</i>	20
9.	HRN EN 13016-1 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
10.	ASTM D5191 <i>Standard Test Method for Vapor Pressure of Petroleum Products (Mini Method)</i>	22
11.	HRN EN ISO 3170 Tekući naftni proizvodi – Ručno uzorkovanje <i>Petroleum liquids – Manual sampling</i>	2005
12.	ASTM D4057 <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	Izdanje/ Publication issue
13.	HRN EN 27941 Trgovačka propan-butan smjesa – Analiza plinskom kromatografijom <i>Commercial propane and butane – Analysis by gas chromatography</i>	2003
14.	HRN EN 12916 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
15.	HRN EN ISO 8973 Ukapljeni naftni plinovi – Metoda izračunavanja gustoće i tlaka para <i>Liquefied petroleum gases – Calculation method for density and vapour pressure</i>	2002/ A1: 2020
16.	HRN EN ISO 12937 Naftni proizvodi – Određivanje vode – Karl Fischerova kulometrijska metoda <i>Petroleum products – Determination of water – Coulometric Karl Fischer titration method</i>	2001
17.	HRN EN 14078 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
18.	HRN EN ISO 20846 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
19.	HRN EN ISO 8754 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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20.	HRN EN ISO 5163 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
21.	HRN EN ISO 5164 Motorna goriva – Određivanje karakteristika lupanja motornih goriva - Istraživačka metoda <i>Petroleum products – Determination of knock characteristics of motor fuels – Research method</i>	2014
22.	HRN EN ISO 5165 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
23.	HRN EN ISO 22854 Tekući naftni proizvodi -- Određivanje vrste ugljikovodika i oksigenata u benzinu i etanolu (E85) kao gorivu za motorna vozila -- Metoda višedimenzionalne plinske kromatografije <i>Liquid petroleum products -- Determination of hydrocarbon types and oxygenates in automotive-motor gasoline and in ethanol (E85) automotive fuel -- Multidimensional gas chromatography method</i>	2021
24.	Vlastita metoda/ In-house method LRU I-09 modificirana/ modified ASTM D6667 <i>Standard Test Method for Determination of Total Volatile Sulfur in Gaseous Hydrocarbons and Liquefied Petroleum Gases by Ultraviolet Fluorescence</i> (uporaba zraka kao plina nosioca i plina za sagorijevanje/ <i>use of air as carrier gas and combustion gas</i>)	1/ 21

	Ime i prezime/ Potpis <i>Name and surname/ Signature</i>	Funkcija <i>Function</i>	Datum <i>Date</i>
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