

R. br./ No.	Metoda ispitivanja/Test method	Godina izdanja/ Year of publication
1.	HRN EN ISO 5164 Motorna goriva – Određivanje karakteristika lupanja motornih goriva – Istraživačka metoda/Petroleum products - Determination of knock characteristics of motor fuels - Research method	2014.
2.	ASTM D 2699 Standard test Method for Research Octane Number of Spark-Ignition Engine Fuel	2022.
3.	HRN EN ISO 5163 Motorna i avionska goriva – Određivanje karakteristika lupanja motornih i avionskih goriva – Motorna metoda/Petroleum products - Determination of knock characteristics of motor and aviation fuels - Motor method	2014.
4.	ASTM D 2700 Standard test Method for Motor Octane Number of Spark – Ignition Engine Fuel	2022.a
5.	HRN EN 237 Tekući naftni proizvodi – Određivanje niskog sadržaja olova atomskom apsorpcijskom spektrometrijom/Liquid petroleum products - Petrol - Determination of low lead concentrations by atomic absorption spectrometry	2005.
6.	HRN EN 13016-1 Tekući naftni proizvodi – Tlak para – 1. dio: Određivanje tlaka para zasićenih zrakom (ASVP) i izračunavanje tlaka para u suhom zraku (DVPE)/Liquid petroleum products - Vapour pressure - Part 1: Determination of air saturated vapour pressure (ASVP) and calculated dry vapour pressure equivalent (DVPE)	2018.
7.	ASTM D 5191 Standard Test Method for Vapour Pressure of Petroleum products (Mini Method)	2022.
8.	HRN EN ISO 22854-A Tekući naftni proizvodi – Određivanje vrste ugljikovodika i oksigenata u benzinu i etanolu (E85) kao gorivu gorivu za motorna vozila – Metoda višedimenzionalne plinske kromatografije/Liquid petroleum products - Determination of hydrocarbon types and oxygenates in automotive-motor gasoline and in ethanol (E85) automotive fuel - Multidimensional gas chromatography method	2021.
9.	HRN EN 14078 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.
10.	HRN EN ISO 5165 Naftni proizvodi - Određivanje sposobnosti paljenja dizelskih goriva – Cetanski broj prema motornoj metodi/Petroleum products - Determination of the ignition quality of diesel fuels - Cetane engine method	2020.
11.	ASTM D 613 Standard Test Method for Cetane Number of Diesel Fuel Oil	2018.ae1
12.	HRN EN ISO 4264 Naftni proizvodi – Izračunavanje cetanskog indeksa za srednje destilatna goriva pomoću jednadžbe s četiri veličine/Petroleum products -- Calculation of cetane index of middle-distillate fuels by the four variable equation	2018.
13.	ASTM D 4737 Standard Test Method for Calculated Cetane Index by Four Variable Equation	2021.
14.	HRN EN ISO 12937 Naftni proizvodi - Određivanje vode - Karl Fischerova kulometrijska metoda/Petroleum products - Determination of water - Coulometric Karl Fischer titration method	2001.
15.	HRN EN 116 Dizelsko gorivo i loživo ulje ekstra lako - Određivanje točke filtrabilnosti (CFPP)/Diesel and domestic heating fuels - Determination of cold filter plugging point - Stepwise cooling bath method	2015.
16.	ASTM D 6371 Standard Test Method for Cold Filter Plugging Point of Diesel and Heating Fuels	2017.a

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17.	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.
18.	ASTM D 5453 Standard Test Method for Determination of Total Sulfur in Light Hydrocarbons, Spark Ignition Engine Fuel, Diesel Engine Fuel, and Engine Oil by Ultraviolet Fluorescence	2019.a
19.	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</i>	1999.
20.	ASTM D 4052 Standard Test Method for Density, Relative Density and API Gravity of Liquids by Digital Density Meter	2022.
21.	HRN ISO 3837 Tekući naftni proizvodi - Određivanje tipova ugljikovodika - Metoda adsorpcije s fluorescentnim indikatorom/ <i>Liquid petroleum products - Determination of hydrocarbon types - Fluorescent indicator adsorption method</i>	2002.
22.	ASTM D 1319 Standard Test Method for Hydrocarbon Types in Liquid Petroleum Products by Fluorescent Indicator Adsorption	2020.a
23.	HRN EN ISO 3405 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>	2019.
24.	ASTM D 86 Standard Test Method for Distillation of Petroleum Products at Atmospheric Pressure	2020.b
25.	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.
26.	IP 391 Petroleum products – Determination of aromatic hydrocarbon types in middle distillates – High performance liquid chromatography method with refractive index detection	2007. (2019.)
27.	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.
28.	ASTM D 4294 Standard Test Method for Sulfur in Petroleum and Petroleum Products by Energy-Dispersive X-Ray Fluorescence Spectroscopy	2021.
29.	HRN EN ISO 3675 Nafta i tekući naftni proizvodi – Laboratorijsko određivanje gustoće – Metoda areometrom/ <i>Crude petroleum and liquid petroleum products - Laboratory determination of density - Hydrometer method</i>	2002.
30.	ASTM D 1298 Standard Test Method for Density, Relative Density, or API Gravity of Crude Petroleum and Liquid Petroleum Products by Hydrometer Method	2012.b (2017.)
31.	ASTM D 240 Standard Test Method for Heat of Combustion of Liquid Hydrocarbon Fuels by Bomb Calorimeter	2019.
32.	ASTM D 5291 – D Standard Test Methods for Instrumental Determination of Carbon, Hydrogen, and Nitrogen in Petroleum Products and Lubricants	2021.



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Kontrola kvalitete/Quality Control

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Popis akreditiranih metoda ispitivanja i popis djelatnika osposobljenih i ovlaštenih za ispitivanja u području akreditacije/*List of accredited testing methods and list of employees trained and authorized for testing in the field of accreditation*

Prilog 1 Obavijesni dio dokumenta – Popis akreditiranih metoda ispitivanja/*Annex 1 Notification part of the document – List of accredited test methods*

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33.	UOP 539 - Refinery Gas Analysis by GC	2012.
34.	ASTM D 1945 - Standard Test Method for Analysis of Natural Gas by Gas Chromatography	2014. (2019.)
35.	HRN EN ISO 6976 - Proračun toplinskih vrijednosti, gustoće, relativne gustoće i Wobbeovog broja iz sastava prirodnog plina/ <i>Natural gas - Calculation of calorific values, density, relative density and Wobbe indices from composition</i>	2016.
36.	Vlastita metoda/In-house method – Određivanje sastava dimnog plina plinskom kromatografijom/ <i>Determination of flue gas composition by gas chromatography</i>	2019.
37.	HRN EN 872 Kakvoća vode – Određivanje suspendiranih tvari - Metoda filtriranjem kroz filtar od staklenih vlakana/ <i>Water quality - Determination of suspended solids - Method by filtration through glass fibre filters</i>	2008.
38.	HRN ISO 6059 Kakvoća vode – Određivanje sume kalcija i magnezija – Volumetrijska metoda s EDTA/ <i>Water quality - Determination of the sum of calcium and magnesium - EDTA titrimetric method</i>	1998.

Aktivnost/ Activity	Ime i prezime/Name and surname/ Potpis/Signature	Funkcija/Function	Datum/Date
Izradio/ Prepared by	Sandra Karamarko	Stručnjak za kontrolu kvalitete/ Quality Control Expert	4.11.2022.
Odobrio/ Approved	Iva Jednačak	Rukovoditelj Kontrole kvalitete/ Manager of Quality Control	4.11.2022.