Hellenic Accreditation System

Annex F1/20 to the Certificate No. **419**-8

SCOPE of ACCREDITATION

of the

Quality Control Laboratory of Thessaloniki Refinery

of

HELLENiQ Petroleum S.A.

Tested materials / products	Types of test / Properties to be measured	Applied Standards / Techniques to be used
Chemical tests		
1. Petroleum Products (Motor Gasoline -Unleaded 95RON, Motor Gasoline – Unleaded 98RON, Motor Gasoline – Unleaded 100RON, Jet A-1, JP-8, Hexane, White Spirit, Kerosene, Kerosene – Low Sulphur, Kerosene - Heating, Automotive Diesel Oil (ADO), Military Diesel, Heating Oil, Marine Gas Oil)	Determination of Density	ASTM D4052-22 ISO 12185:2024 Standard Test Method for Density by Digital Density Meter Oscillating U-tube method
2. Crude Oil	Determination of Density	ASTM D5002-22 ISO 12185:2024 Standard Test Method for Density by Digital Density Meter Oscillating U-tube method
3. Petroleum Products (Kerosene – Low Sulphur, Kerosene - Heating, Automotive Diesel Oil (ADO), Military Diesel, Heating Oil, Marine Gas Oil, Fuel Oil No 1, Fuel Oil No 3)	Determination of Flash Point	ASTM D93-25 (Procedure A, B) ISO 2719:2025 (Procedure A, B) Standard Test Methods for Flash Point by Pensky-Martens Closed Cup
4. Petroleum Products (Motor Gasoline – Unleaded 95RON, Motor Gasoline –	Determination of Total Sulfur	ASTM D5453-25 ISO 20846:2019 Standard Test Method by

Unleaded 98RON, Motor Gasoline – Unleaded 100RON, Hexane, White Spirit, Jet A-1, JP-8, Automotive Diesel Oil (ADO))		Ultraviolet Fluorescence
Tested materials / products	Types of test / Properties to be measured	Applied Standards / Techniques to be used
5. Natural gas and other refinery fuel gases	Refinery gas analysis	*UOP 539-12 Standard Test Method by Gas Chromatography
6. Petroleum Products (Motor Gasoline Unleaded – 95RON, Motor Gasoline Unleaded – 98RON, Motor Gasoline Unleaded – 100RON, Naphtha, White Spirit, Jet A-1, JP-8, Kerosene, Automotive Diesel Oil (ADO), Military Diesel, Heating Oil, Marine Gas Oil)	Determination of distillation characteristics at atmospheric pressure	ASTM D86-23AE2 EN ISO 3405:2019
7. Petroleum Products (Motor Gasoline Unleaded – 95RON, Motor Gasoline Unleaded – 98RON, Motor Gasoline Unleaded – 100RON, Naphtha and Crude Oil)	Determination of Vapour Pressure (Air Saturated Vapour Pressure (ASVP) and Calculated Dry Vapour Pressure Equivalent (DVPE))	ASTM D5191-22 EN 13016-1:2024 Mini Method
8. Petroleum Products (Automotive Diesel Oil (ADO), Military Diesel, Heating Oil, Marine Gas Oil)	Calculation of Cetane Index	ASTM D4737-21 EN ISO 4264:2018 Standard Test Method by the Four-Variable Equation
9. Petroleum Products (Automotive Diesel Oil (ADO), Military Diesel, Heating Oil, Marine Gas Oil, Diesel Fuels containing FAME, Biodiesel)	Determination of Cold Filter Plugging Point (CFPP) by stepwise cooling bath method	ASTM D6371-24 EN 116 (2015) Standard Test Method by Stepwise Cooling Bath Method

**UOP:Universal Oil Products*

Site of assessment: **Laboratory permanent premises, Thessaloniki Industrial Complex, 6th km old National Road Thessaloniki-Veroia, Greece.**
Approved signatories: **Ch. Anatolaki, K. Papadaki, Th. Menexes, G. Theofanidis.**

This scope of Accreditation replaces the previous one dated 01.04.2025.
The Accreditation Certificate No **419**-8 to ELOT EN ISO/IEC 17025:2017, is valid until 10.04.2029.

Athens, 26.02.2026

Konstantinou Evangelos Apostolos
CEO of ESYD