

**CERTIFICATE OF QUALITY
LABORATORY REPORT**

COPY

PRODUCT : ULSD 10PPM EN 590
TANKS : TK-51
CUSTOMER : Elefsis Oil Movement
VESSEL : M/T ELVIN SAFAROV

Date : 25/07/2025
Cert. No : 128
B/L No : ----
Batch ID : ----

LIMS, Sample Id : 2245441

Properties	Units	Results	Methods
Density at 15degC	kg/m ³	828.4	EN ISO 12185
(*) Colour	-	<0.5	ASTM D1500
(*) % (v/v) Recovered at 250degC	%v/v	17.3	EN ISO 3405
(*) % (v/v) Recovered at 350degC	%v/v	91.1	EN ISO 3405
(*) 95% (v/v) Recovered at degC	°C	359.7	EN ISO 3405
Flash point	°C	67.0	EN ISO 2719
(*) Sulphur content	mg/kg	9.1	EN ISO 20846
(*) Copper strip corrosion (3hrs at 50degC)	-	Class 1a	EN ISO 2160
Cold Filter Plugging Point (CFPP)	°C	-1	IP 309
(*) Cloud Point	°C	-1	EN 23015
(*) Fatty Acid Methyl Ester (FAME)	%v/v	Nil	EN ISO 14078
(*) Viscosity at 40degC	cst	3.596	EN ISO 3104
(*) Water content	mg/kg	70	EN ISO 12937
(*) Cetane number	-	61.1	EN ISO 5165
(*) Cetane index	-	62.1	EN ISO 4264
(*) Ash content	%m/m	<0.010	EN ISO 6245
(*) Carbon residue (on 10% distillation residue)	%m/m	<0.01	EN ISO 10370
(*) Total contamination	mg/kg	<12	EN ISO 12662
(*) Oxidation stability	g/m ³	2	EN ISO 12205
(*) Oxidation stability	hours	>20	EN 15751
(*) Poly cyclic aromatic hydrocarbons	%m/m	1.7	EN ISO 12916
(*) Lubricity, corrected wear scar diameter (wsd1.4) at 60degC	µm	410	EN ISO 12156-1
(1) Manganese content	mg/l	<0.1	EN 16576
(*) Conductivity at 20degC	pS/M	200	ISO 6297

**WE HAVE WITNESSED THE
DETERMINATION OF THE ABOVE
ANALYTICAL RESULTS OBTAINED
BY SUPPLIERS/RECEIVERS CHEMIST IN
SUPPLIERS/RECEIVERS LABORATORY**



IOANNIS G. DEPASTAS
LABORATORY MANAGER
HELLENIC PETROLEUM SA
ELEFSIS INDUSTRIAL COMPLEX
Laboratory Manager: Ioannis G. Depastas

Results are related only to the samples tested. The current Certificate or Report should not be reproduced except in full, without written approval of the Laboratory. The estimated measurement uncertainty of the above tests according to ISO 17025 is provided upon request. Sample is provided by the customer who is responsible for the sampling procedure. Sampling is not within the scope of accreditation. Certificate ESYD No 566-5/Tests.

(*) These tests are not covered by the scope of accreditation according to ISO 17025.

(1) Co-operating Lab result.

**CERTIFICATE OF QUALITY
LABORATORY REPORT**

PRODUCT : ULSD 10PPM EN 590
TANKS : TK-49
CUSTOMER : Elefsis Oil Movement
VESSEL : M/T KARABAKH HEROES

Date : 01/08/2025
Cert. No : 133
B/L No : ----
Batch ID : ----

LIMS, Sample Id : 2251595

Properties	Units	Results	Methods
Density at 15degC	kg/m ³	827.9	EN ISO 12185
(*) Colour	-	<0.5	ASTM D1500
(*) % (v/v) Recovered at 250degC	%v/v	17.1	EN ISO 3405
(*) % (v/v) Recovered at 350degC	%v/v	91.4	EN ISO 3405
(*) 95% (v/v) Recovered at degC	°C	358.8	EN ISO 3405
Flash point	°C	72.5	EN ISO 2719
(*) Sulphur content	mg/kg	9.8	EN ISO 20846
(*) Copper strip corrosion (3hrs at 50degC)	-	Class 1a	EN ISO 2160
Cold Filter Plugging Point (CFPP)	°C	-1	IP 309
(*) Cloud Point	°C	0	EN 23015
(*) Fatty Acid Methyl Ester (FAME)	%v/v	Nil	EN ISO 14078
(*) Viscosity at 40degC	cst	3.632	EN ISO 3104
(*) Water content	mg/kg	180	EN ISO 12937
(*) Cetane number	-	61.0	EN ISO 5165
(*) Cetane index	-	62.4	EN ISO 4264
(*) Ash content	%m/m	<0.010	EN ISO 6245
(*) Carbon residue (on 10% distillation residue)	%m/m	<0.01	EN ISO 10370
(*) Total contamination	mg/kg	<12	EN ISO 12662
(*) Oxidation stability	g/m ³	3	EN ISO 12205
(*) Oxidation stability	hours	>20	EN 15751
(*) Poly cyclic aromatic hydrocarbons	%m/m	1.8	EN ISO 12916
(*) Lubricity, corrected wear scar diameter (wsd1.4) at 60degC	µm	390	EN ISO 12156-1
(1) Manganese content	mg/l	<0.1	EN 16576
(*) Conductivity at 20degC	pS/M	160	ISO 6297

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ANALYTICAL RESULTS OBTAINED
BY SUPPLIERS/RECEIVERS CHEMIST IN
SUPPLIERS/RECEIVERS LABORATORY

VERINA S.A.
CERTIFICATION BODY
INDEPENDENT INSPECTORS
GEORGE KORRES

IOANNIS G. DEPASTAS
LABORATORY MANAGER
HELLENIQ PETROLEUM SA
ELEFSIS INDUSTRIAL COMPLEX

Laboratory Manager: Ioannis G. Depastas

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(*) These tests are not covered by the scope of accreditation according to ISO 17025.

(1) Co-operating Lab result. (2) As per supplier information.