



COPY

**CERTIFICATE OF QUALITY  
LABORATORY REPORT**

**PRODUCT : ULSD 10 PPM**  
**TANKS : TK-75**  
**VESSEL : M/T MERA**

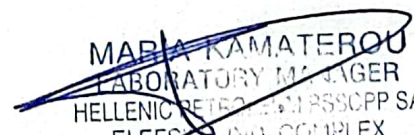
**Date : 02/12/2023**  
**Cert. No : 206**  
**B/L No : ----**  
**Batch ID : ----**

LIMS, Sample Id : 1834621

Properties	Units	Results	Methods
(1) Density at 15 °C	kg/m <sup>3</sup>	829.1	EN ISO 12185
Colour	-	<0.5	ASTM D1500
% (v/v) Recovered at 250degC	% v/v	35.8	EN ISO 3405
% (v/v) Recovered at 350degC	% v/v	92.3	EN ISO 3405
95% (v/v) Recovered at degC	degC	357.7	EN ISO 3405
(1) Flash point	degC	58.0	EN ISO 2719
(1) Sulphur content	mg/kg	8.1	EN ISO 20846
Copper strip corrosion (3hrs at 50degC)	-	Class 1a	EN ISO 2160
(1) Cold Filter Plugging Point (CFPP)	degC	-25	IP 309
Cloud Point	degC	-5	EN 23015
Fatty Acid Methyl Ester (FAME)	% v/v	Nil	EN ISO 14078
Viscoslty at 40degC	mm <sup>2</sup> /s	2.823	EN ISO 3104
Water content	mg/kg	80	EN ISO 12937
Cetane number	-	53.0	EN ISO 5165
Cetane index	-	54.9	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	1.0	EN ISO 12662
Oxidation stability	g/m <sup>3</sup>	2	EN ISO 12205
Oxidation stability	hours	>20.0	EN 15751
Poly cyclic aromatic hydrocarbons	% m/m	1.9	EN ISO 12916
Lubricity, corrected wear scar diameter (wsd1.4) at 60degC	µm	440	EN ISO 12156-1
Manganese content	mg/l	<0.5	EN 16576*
Conductivity at 20degC	pS/M	410	ISO 6297

"We have witnessed the determination of the above analytical results obtained by Terminal's staff in Terminal's Lab, whose measuring equipment and reagents were assumed to be controlled and accurate."

  
Kyriakos  
ISYCHOS  
SURVEYOR

  
MARIA KAMATEROU  
LABORATORY MANAGER  
HELLENIC PETROLEUM R.S.S.O.P.P. S.A.  
ELEFSIS IND. COMPLEX  
Chief Chemist: Maria Kamaterou

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. Sampling is not within the scope of accreditation.  
(1) These tests are covered by the scope of accreditation according to ISO 17025, Certificate ESYD No 566-5/Tests.  
(\* ) Co-operating Lab result.