



**BUREAU
VERITAS**



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Client: Enemed Co. Ltd.

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CERTIFICATE OF QUALITY NO: MLA0812.1

Source: Product Representing E Diesel
Product: EN 590
Location: Inspectorate Laboratory, Marsa
Operation: Analysis

Job Number: MLA0812
Date Sampled: Various
Date Tested: 03-04/07/2024

Sample Origin: Handblend composed of: 87 %vol Shoretank 12| 13 %vol Shoretank 14
Sample Number: 65539

Test	Method	Units	Result	Spec
Density @ 15°C	* ISO 12185:2001	kg/m ³	825.6	820.0 - 845.0
Sulphur UVF	* ISO 20846:2019	mg/kg	5.4	10.0 max
Cetane Number	EN 15195	Rating	55.5	51.0 min
Flash Point Pensky-Martens Closed Cup	* ISO 2719(A):2016	°C	57.0	55 min
Lubricity	ISO 12156	µm	270	460 max
Kinematic Viscosity @ 40°C	* ISO 3104:1997	mm ² /s	2.611	2.00 - 4.50
Manganese	EN 16576	mg/L	< 0.5	2.0 max
Water by Coulometric KF	* ISO 12937:2000	mg/kg	62	200 max
Total contamination	EN 12662	mg/kg	12.0	24 max
Ash	* ISO 6245:2001	% mass	0.001	0.010 max
Cetane Index	* ISO 4264:18	-	56.1	46 min
MCRT on 10% Bottoms	* ISO 10370:2014	% mass	0.01	0.30 max
Copper Corrosion (3 hrs @ 50°C)	ISO 2160	Rating	1a	1 max
Oxidation Stability	ISO 12205	g/m ³	8	25 max
CFPP	* EN 116:2015	°C	minus 8	0 max
PAH	EN 12916	% mass	2.2	8.0 max
FAME content	* EN 14078:2014	% vol	< 0.05	7.0 max
Atmospheric Distillation:	* ISO 3405:2019	-	-	-
95% Recovered		°C	345.8	360 max
Recovered @ 250°C		% vol	38.0	65 max
Recovered @ 350°C		% vol	94.0	85 min

The latest issue of the test methods has been used unless stated otherwise.

Please refer to ASTM D3244-18 (50% probability of acceptance applied) and IP method 367-07 Appendix E for utilisation of test data for conformance with specifications.

This analysis certificate may not be reproduced other than in full except with the written permission of the laboratory.

Results relate only to the sample tested.

* An NAB-MALTA Accredited testing laboratory, Reg No 010, for the indicated test methods. Specific test conditions available upon request.

Natasa Matis - Lab Coordinator
Authorised Signatory for Inspectorate Malta Ltd



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