

CERTIFICATE OF QUALITY



Product : D100 / HVO EKSPOR Report No : COQ-0792/KPI47210/2022-S2
 Vessel : OB, ANARGYA I Order No : 0695/E14132/LO/XI/2022-S2
 Shore Tank : 33T008 Date of Loading : November 06, 2022
 Port of Destination(s) : ONE OR MORE SAFE PORT(S),MALAYSIA

No	Properties	Units	Limits (a)	Methods	Results	
					Shore Tank	
					33T008	
1	Cetane Number *)	-	Min 70	ASTM D 613	>73.6	
2	Density at 15°C *)	kg/m ³	765.0 - 800.0	ASTM D1298	781.9	
3	Kinematic Viscosity at 40°C *)	mm ² /s	2.0 - 4.5	ASTM D 445	3.350	
4	Sulfur Total in Oil *)	mg/Kg	Max 5	ASTM D 5453	1.86	
5	Distillation *)	IBP	°C	Reported	ASTM D86	271
			95% vol. recovery	°C	Max 360	
6	Flash Point PMCC *)	°C	Min 70	ASTM D 93	126	
7	Conradson Carbon Residue *)	%m/m	Max 0.3	ASTM D 189	0.04	
8	Water Content *)	mg/Kg	Max 200	ASTM D 6304	168	
9	Particulate Cont. *)	mg/L	Max 10	ASTM D 6217 18	5.23	
10	Corrosion Copper Strip *)	at 3 hrs / 50°C	Class	Max Class 1	ASTM D130	Class 1
11	Ash Content *)	%m/m	Max 0.01	ASTM D 482	<0.001	
12	Oxidation Stability *)	minutes	Min 65	ASTM D7545	>65	
13	Lubricity *)	Micron	Max 460	ASTM D 6079	200	
14	Aromatics *)	% wt	Max 1.1	IP 391	0.3	
15	Total Acid Number *)	mg KOH/g	Max 0.3	ASTM D 664	0.10	
16	Colour ASTM *)	ASTM No.	Max 1.0	ASTM D 1500	L0.5	
17	Appearance *)	-	Clear & Bright	VISUAL	Clear & Bright	
18	Cold Filter Plugging Point *)	°C	Reported	ASTM D6371	17	
19	Pour Point *)	°C	Max 18	ASTM D 97	18	
20	Kadar Karbon Nabati *)	%	Reported	SNI 8968 P6	NA	
Batch Number					VO-338-15-11/22	
Batch Volume		MT			3000	
Sampling Method				ASTM D 4057		
Date of Sampling					November 05, 2022	

Remarks :

Specification refer to Memorandum VP Process & Facility No. 059/KPI44000/2021-S2 tanggal 20 Desember 2021 perihal Revisi Spesifikasi Produk Green Diesel

Angka setana sampel melebihi angka setana dari references fuels yang digunakan yaitu T-Fuel sebesar 73.6

*) Non Accreditation Scope

Customer:

Notes:

This report is valid for tested sample only.

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