

TEST REPORT

Sample No : 25702189
Report No : TC/LR/25702189
Source/Sample(s) Received from : FLENSBURG INVESTMENTS L.L.C,Dubai
Grade : B100 Bio Diesel
Description : Bio fuel B100
Batch No : BP-25115-B002

Date Received : 09-Apr-25
Date Reported : 06-May-25
Type : 600 Biofuel (B100)
Sampled Date : 09-Apr-25
AWB Ref # : Hand delivery
Sample Condition : Normal

The above sample(s) was/were examined as detailed below and the following results obtained.

TEST	METHOD	UNIT	RESULT	ACCREDITATION	SPECIFICATION
Appearance	Visual	-	Clear	Yes	
Kinematic Viscosity at 40°C	ASTM D445-24	mm ² /s	4.356	Yes	1.9 to 6.0
Flash Point	ASTM D93-20, Procedure A	°C	GT 100.0	Yes	Min 93
Sulphur Content	ASTM D4294-24	mass%	0.0009	Yes	Max 0.0010
Acid Number	ASTM D664-24, Method A (BEP, 60ml solvent)	mgKOH/g	0.49	Yes	Max 0.50
Cloud Point	ASTM D2500-23	°C	+8	No	Report
Density @15°C	ASTM D4052-22	kg/m ³	878.9	Yes	Report
Micro Carbon Residue	ASTM D4530-15 (2020)	mass%	<0.01	Yes	Max 0.05
Water and Sediment	ASTM D2709-22	Volume%	<0.01	No	Max 0.05
Copper Strip Corrosion, 100°C, 3h	ASTM D130 - 19	-	1a	Yes	No 1
10% recovered temperature	ASTM D86-23ae2 Automated Method	°C	326.0	Yes	
50% recovered temperature	ASTM D86-23ae2 Automated Method	°C	329.3	Yes	
90% recovered temperature	ASTM D86-23ae2 Automated Method	°C	336.9	Yes	Max 360
Cetane Index	ASTM D4737-21-Procedure	-	56.6	Yes	Min 47
Calcium (Ca)	ASTM D5185-18	mg/kg	3	Yes	
Magnesium (Mg)	ASTM D5185-18	mg/kg	<1	Yes	
Potassium (K)	ASTM D5185-18	mg/kg	<1	Yes	
Sodium (Na)	ASTM D5185-18	mg/kg	<1	Yes	
Sodium (Na) +Potassium (K)	ASTM D5185-18	mg/kg	<1	Yes	Max 5
Calcium (Ca) + Magnesium (Mg)	ASTM D5185-18	mg/kg	3	Yes	Max 5
Phosphorus Content	ASTM D5185-18	mg/kg	<1	Yes	Max 10
Sulphated Ash	ASTM D874-23	mass%	<0.005	Yes	Max 0.02
Ester Content	EN 14103-2020-Modified	% M/M	99.5	No	Report
Methanol Content	EN-14110	% M/M	0.01	No	Max 0.2
Free Glycerin	ASTM D6584-21	mass%	0.018	No	Max 0.020
Total Glycerin	ASTM D6584-21	mass%	0.091	No	Max 0.240
Monoglycerides	ASTM D6584-21	mass%	0.1681	No	0.4

Note : The ISO/IEC 17025:2017 accreditation status is denoted as either 'Yes' (accredited) or 'No' (not accredited).

Comments : Tested parameter results conform to UAE. S 5023:2018.

Test conducted on : 09-Apr-25 to 06

Tests conducted by Emp#

: 35, 51

Report prepared by

Sampled by

: According to ASTM D4057 or D4177/Kenzol Multi Industries FZC.

Emp# : 06

The above test results are only applicable to the sample (s) referred above.



TEST REPORT

REPORTED BY

Nitin Kale
Laboratory Manager
TRIBOCARE FZC,
A2-074, SAIF Zone
Sharjah, UAE
Tel: +971 65528799

The Test Report shall not be reproduced (except in full) without the written approval of TRIBOCARE FZC.
Samples retention period is 90 days from the sample receipt date.
The Report is generated electronically, Signature is not required

-- End of report --