



BIRASINI TEST HOUSE

Govt. Approved / NABL-ISO 9001 : 2015 Certified Laboratory

AN ISO 9001 - 2015



TEST REPORT

Issued To,	Report No.	:100-09122017-02
M/s Synergy Teletech Private Limited	Report Date	:14/12/2017
	Sample Received On	: 09/12/2017
	Analysis Date	: 09/12/2017
	Report Prepared On	:14/12/2017
	Submitted By	: Customer
Sample Description	Synergy Green Diesel	

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S. No.	Test Parameters	Unit	Result	Limit
1.	Density at 15 ^o C	g/m ³	866	860-900
2.	Ester Content	%	>96.5	96.5 Min
3.	Flash Point	^o C	160	101 Min
4.	Water Content	mg/Kg	117	500 Max
5.	Kinematic Viscosity at 40 ^o C	Cst	3.8	3.5-5.0
6.	Oxidation Stability 110 ^o C, hr	-	11.2	8 Min
7.	Carbon Residue (Rams bottom)	%	<0.01	0.05 Max
8.	Sulphated ash	%	<0.01	0.02 Max
9.	Sulphur	mg/Kg	5.6	10.0 Max
10.	Copper Corrosion, 3 h at 50 ^o C	mg/Kg	<1	1 Max
11.	Cetane Number	-	62	51 Min
12.	Acid Value	mg KOH/g	<0.2	0.50 Max
13.	Methanol	%	0.08	0.20 Max
14.	Free glycerol	%	0.09	0.20 Max
15.	Total Glycerol	%	0.17	0.25 Max
16.	Group I Metal(Na + k)	mg/Kg	3.0	5 Max
17.	Group II Metal(Ca + Mg)	mg/Kg	2.5	5 Max
18.	Phosphorus Content	mg/Kg	1.6	4.0 Max
19.	Distillation at 360 ^o C	%	90	Not Mentioned
20.	Pour Value	^o C	-4 ^o	-6 ^o Max
21.	Calorific Value	Kcal/Kg	9034	8731 Min

Used Protocol/Specification: IS: 15607-2005 Various Parts.

****END OF REPORT****


Authorised Signatory

- Note :**
1. The test results listed pertain to the sample tested and applicable parameters.
 2. Total liability of this lab is limited to Invoice amount
 3. Any discrepancy found in the test report may be communicated with in seven days from the date of issue to Test Report.
 4. Remnants of Sample tested may be collected within 15 days from the date of issue of test report After which it shall be disposed off.
 5. The test report should not be produced as an evidence for any legal purpose without the prior permission of the director, BTH.

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