



TEST REPORT

Sample No. : TH: GL: 8130002761

DATE: 14/10/2008

JOE No. : 813101392

Report Control No.8130002263

SHORE TANK # TK, NO. 101 # DT. 24.09.08.

SAMPLE DRAWN BY SGS INDIA PRIVATE LTD.

SAMPLE IDENTIFIED AS: BIO-DIESEL

COMPANY NAME EMAMI BIO-TECH LIMITED.
ADDRESS J.L. NO. 149, HPL LINK ROAD, BHABANIPUR, DIST. PURBA,
CITY HALDIA, MIDNAPORE-721657
SAMPLING METHOD N.A
SAMPLE DESCRIPTION BIO-DIESEL
SAMPLE CONDITION SEALED
SAMPLE QTY. 5 LTR.
CUSTOMER APPL. NO. SHORE TANK # TK. NO. 101 # DT. 24.09.08.
RED PLASTIC SEAL SGS 077125
LETTER DATE 24-09-2008
SAMPLE RECD ON 06-10-2008
TEST START DATE 06/10/2008
TEST END DATE 13/10/2008

TESTS	PROTOCOL	RESULT	REQUIREMENT/LIMIT EN-14214-2003	
			MIN	MAX.
DESCRIPTION	VISUAL	Clear and Bright with light suspended particles		
DENSITY at 15 Deg. C.	EN ISO 12185:96e	875.2 kg/m3	850	900
KINEMATIC VISCOSITY at 40 Deg. C.	EN ISO 3104:94	4.482 mm2/s.	3.50	5.00
FLASH POINT	EN ISO 3679:94	158 Deg. C.	120	
SULPHUR CONTENT	prEN ISO 20846	0.83 mg/kg.	-	10.0
CARBON RESIDUE (ON 10% DISTILLATION RESIDUE)	EN ISO 10370:93	< 0.01 % m/m.	-	0.30
SULFATED ASH CONTENT	ISO 3987	0.007 % wt.	-	0.02
WATER CONTENT	EN ISO 12937	380 mg/kg.	-	500
TOTAL CONTAMINATION	ISO 12662:1998	0.038 mg/kg.	-	24

- The results relates only to the sample tested

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			MIN	MAX.
COPPER CORROSION (3 HRS./50 Deg. C.), rating	EN ISO 2160	Class 1		Class 1
OXIDATION STABILITY at 110 Deg. C. hours.	EN 14112	12 Hrs.	6.0	-
ACID VALUE	EN 14104	0.31 mg/KOH/g.	-	0.50
IODINE VALUE	EN 14111	50.54 g.Iodine/100 g.	-	120
GROUP I METALS (Na + K)	EN 14108	0.1 mg/kg.	-	5.0
GROUP I METALS (Ca + Mg)	EN 14536	ND-DL. 0.1 mg/kg.	-	5.0
PHOSPHOROUS CONTENT	EN 14107	10.0	-	10.0
Test Sub-Contracted to SGS Singapore				
Ester Content, % m/m.	EN 14103:03	97.6	96.5	-
Linoleic acid methyl ester content, % m/m.	EN 14103:03	0.2	-	12.0
Polyunsaturated FAME, % m/m.	EN 14103:03	0.1	-	1
Methanol Content, % m/m.	EN 14110:03	0.04	-	0.20
Monoglyceride Content, % m/m.	EN 14105:03	0.46	-	0.80
Diglyceride Content, % m/m.	EN 14105:03	0.06	-	0.20
Triglyceride Content, % m/m.	EN 14105:03	< 0.05	-	0.20
Free Glycerol, % m/m.	EN 14105:03	0.01	-	0.02
Total Glycerol, % m/m.	EN 14105:03	0.14	-	0.25

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TESTS	PROTOCOL	RESULT	REQUIREMENT/LIMIT	
			EN-14214-2003 MIN	MAX.
Cetane No.	EN ISO 5165:98	64.1	51.0	

*****End of Report*****

per pro SGS India Private Ltd.

MR. HARISH PATIL
(Tech. Executive)

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