



To	ALPHA SYNOVATE PTE. LTD.	From	Chin Hui Seng
Attn	Ms Karen Ng Jia Xin	Ref	JMC/0533/08
Fax		Date	22.07.2008
H/P	9825 0998	Spl No	386712
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ANALYSIS RESULT

Product : Labelled as
ALPHA (B100)
BIODIESEL
21 July 2008

On testing, the following results were obtained,

<u>TEST</u>	<u>UNIT</u>	<u>METHOD</u>	<u>SPEC</u>		<u>RESULTS</u>
			<u>Minimum</u>	<u>Maximum</u>	
1. Ester Content	%(m/m)	EN 14103	Report		99.2
2. Density @ 15°C	kg/m ³	EN 12185	Report		883.5
3. Viscosity @ 40°C	mm ² /s	EN ISO 3104	Report		4.364
4. Flash Point	°C	prEN 3679	Report		170.0
5. Sulphur	mg/kg	prEN 20846	Report		3.1
6. Cetane Number		EN ISO 5165	Report		58.0
7. Water Content	mg/kg	EN ISO 12937	Report		460
8. Copper Corrosion Strip test (50°C/3hrs)		EN ISO 2160	Report		1
9. Acid Value	mgKOH/g	EN 14104	Report		0.13
10. Iodine Value	giodine/100g	EN 14111	Report		117
11. Methanol	%(m/m)	EN 14110	Report		0.03
12. Monoglycerides content	%(m/m)	EN 14105	Report		0.779
13. Diglycerides content	%(m/m)	EN 14105	Report		0.102
14. Triglycerides content	%(m/m)	EN 14105	Report		0.093
15. Free Glycerol	%(m/m)	EN 14105	Report		0.001
16. Total Glycerol	%(m/m)	EN 14105	Report		0.224
17. Group I Metal (Na + K)	mg/kg	EN 14108	Report		< 1

Remarks : _____

Should you have further queries, please do not hesitate to contact the undersigned or Ismail Abu at 6379 0262 / 0202.

Reggrds,

Chin Hui Seng

24/07