



Premium Pure Methyl Ester Product

Specifications

<u>Analysis Items</u>	<u>Value</u>	<u>SPEC</u>	<u>REF. METHOD</u>
Acid Value	max 0.50	mgKOH/g	ASTM D664
Sulphate Ash	max 0.02	% wt	ASTM D874
Carbon Residue	max 0.30	% wt	ASTM D4530
Copper Strip Corrosion	max No.1	rating	ASTM D130
Total Contamination	max 24	mg/kg	EN 12662
Density @ 15 Degree C	860-900	kg/m ³	ASTM D4052
Density @ 30 Degree C	-	kg/m ³	ASTM D4052
Flash Point	min 120	Degree C	ASTM D93 Procedure C
Methyl Ester	min 96.5	% wt	DIN EN 14103
Linolenic Acid Methylene Ester	max 12	% wt	DIN EN 14103
Monoglyceride	max 0.40	% wt	DIN EN 14105
Diglyceride	max 0.20	% wt	DIN EN 14105
Triglyceride	max 0.20	% wt	DIN EN 14105
Free Glycerin	max 0.02	% wt	DIN EN 14105
Total Glycerin	max 0.25	% wt	DIN EN 14105
Iodine Value	max 120	g Iod/100g	ISO 3961-1996/ EN14111
Kinematic Viscosity@ 40°C	3.50-5.00	mm ² /s	ASTM D445
Methanol	max 0.20	% wt	EN 14110
Metal Content-Base (Na+K)	max 5.0	mg/kg	In House Method base on AAS Technique/ EN 14538
Metal Content-Terristrial (Ca+Mg)	max 5.0	mg/kg	In House Method base on AAS Technique/ EN 14538
Oxidation Stability, 110°C	min 10	hours	EN15751
Phosphorus	max 0.0010	% wt	AOCS Official Method Ca-12-55-93/ EN 14107
Total Sulfur	max 0.0010	% wt	ASTM D2622
Water	max 300	mg/kg	EN ISO12937
Cloud Point	16	Degree C	ASTM D2500
CFPP	12	Degree C	DIN EN 116
Appearance	Clear, Bright	-	Visual
Cetane Number (CN)	min 51	-	ASTM D613

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