

Methyl Ester Product

PROPERTY	UNITS	METHOD	SPECIFICATION
Ester Content	% wt	EN 14103-11	min 96.5
Density at 15 °C	g/ml	ASTM D 4052-18a	0.8600-0.9000
Density at 30 °C	g/ml	ASTM D 4052-18a	0.8600-0.9000
Kinematic Viscosity at 40 °C	mm ² /s	ASTM D 445-19a	3.500-5.000
Flash point	°C	ASTM D 93-20 Procedure C	min 120.0
Sulphur Content	mg/kg	ASTM D 5453-19a	max 10.0
Carbon Residue	% wt	ASTM D 4530-15	max 0.30
Cetane Number	-	ASTM D 7668	min 51
Sulfated Ash Content	% wt	ASTM D 874-06	max 0.02
Water content	% (m/m)	EN ISO 12937-00	max 0.050
Total Contamination	mg/kg	EN 12662-1998	max 24
Copper Strip corrosion	-	ASTM D 130-19	max No.1
Oxidation Stability at 110 °C	hours	EN 15751-14	min 10
Acid Number	mg KOH/g	ASTM D 664-18 ^{e2} Test Method B	max 0.50
Iodine Value	g I ₂ /100 g	EN 14111-03	max 120
Linolenic Acid Methyl Ester Content	% wt	EN 14103-11	max 12
Methanol Content	% wt	EN 14110-03	max 0.20
Monoglyceride Content	% wt	EN 14105-11	max 0.40
Diglyceride Content	% wt	EN 14105-11	max 0.20
Triglyceride Content	% wt	EN 14105-11	max 0.20
Free glycerin Content	% wt	EN 14105-11	max 0.02
Total glycerin Content	% wt	EN 14105-11	max 0.25
Group I Metals	mg/kg	ASTM D 5185-09	max 5.0
Group II Metals	mg/kg	ASTM D 5185-09	max 5.0
Phosphorus	% wt	ASTM D 4951-09	max 0.0010
Cloud point	°C	ASTM D 2500-17a	-
Cold filter Plugging point	°C	ASTM D 6371-17a	-

Remarks :

1. Reported results refer to submitted sample only .
2. This report shall not be reproduced, except in full, without prior approval of Laboratory.