

Product Data Sheet

Fatty Acid Methyl Ester (FAME) Derived From Various Feed Stocks and Blended With ASTM D 975 Diesel Fuel (B99.9)

Test Specifications:

Property	Unit	Limits		European Test Method	ASTM Test Method
		Minimum	Maximum		
Ester Content	% (m/m)	96.5	-	EN 14103	
Density @ 15°C	kg/m ³	860	900	EN ISO 3675 EN ISO 12185	
Viscosity @ 40°C	mm ² /s	3.50	5.00	EN ISO 3104	D 445
Flash Point	°C	120	-	prEN ISO 3679	D 93
Sulfur Content	mg/kg	-	10.0	prEN ISO 20846 prEN ISO 20884	D 5453
Carbon Residue (on 10% distillation residue)	% (m/m)	-	0.30	EN ISO 10370	D 4530
Cetane Number		51.0	-	EN ISO 5165	D 613
Sulfated Ash Content	% (m/m)	-	0.02	ISO 3987	D 874
Water Content	mg/kg	-	500	EN ISO 12937	D 6304
Total Contamination	mg/kg	-	24	EN 12662	D 6217
Copper Strip Corrosion (3 h @ 50°C)	rating	Class 1		EN ISO 2160	D 130
Oxidation Stability, 110°C	hours	6.0	-	EN 14112	
Acid Value	mg KOH/g	-	0.50	EN 14104	D 664
Iodine Value	giodine/100g	-	120	EN 14111	
Linolenic acid Methyl Ester	% (m/m)	-	12.0	EN 14103	
Polyunsaturated (>=4 d.b.) methyl esters	% (m/m)	-	1		
Methanol Content	% (m/m)	-	0.20	EN 14110	
Monoglyceride Content	% (m/m)	-	0.80	EN 14105	D 6584
Diglyceride Content	% (m/m)	-	0.20	EN 14105	D 6584
Triglyceride Content	% (m/m)	-	0.20	EN 14105	D 6584
Free Glycerol	% (m/m)	-	0.02	EN 14105 EN 14106	D 6584
Total Glycerol	% (m/m)	-	0.25	EN 14105	D 6584
Group I Metals (Na + K)	mg/kg	-	5.0	EN 14108 EN 14109	
Group II Metals (Ca + Mg)	mg/kg	-	5.0	prEN 14538	
Phosphorus Content	mg/kg	-	10.0	EN 14107	D 4951
Cold Filter Plugging Point (CFPP)	°C, max	report		EN 116	

**All parameters are to be reported on COA.*

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