

**1. Product name**

Fatty acid methyl ester (FAME) for use in diesel engines and as heating oil in accordance with DIN EN 14214

**2. Sensory characteristics**

Odor: typical

**3. Chemical and physical characteristics**

<i>Parameter</i>	<i>Unit</i>	<i>Limits</i>	<i>Methods</i>
Density 15°C	Kg/m <sup>3</sup>	860 - 900	EN 12185
Flash point	°C	Min. 120	DEN 2719
Methylester content	% (m/m)	Min. 96,5	EN14103
Linoleic acid methyl ester	% (m/m)	6 – 12	EN 14103
Viscosity(40°C)	mm <sup>2</sup> /s	3,5 – 5,0	EN 3104
Sulfur content	mg/kg	Max. 10	EN 20846
Carbon residue	% (m/m)	Max. 0,3	EN 10370
Cetane number		Min. 51	EN 5165
Sufated ash content	% (m/m)	Max. 0,02	ISO 3987
Water content	mg/kg	Max. 270	EN 12937
Oxidation stability	h	Min. 8	EN 15751
Total Contamination	mg/kg	Max. 20	EN 12662
Copper Strip Corrosion		Max. 1	EN 2160
Acid value	mg KOH/g	Max. 0,5	EN 14104
Iodine value	g Iod/100g	Max. 120	EN 14111
Methanol content	% (m/m)	Max. 0,2	EN 14110
Monoglyceride content	% (m/m)	Max. 0,7	EN 14105
Diglyceride content	% (m/m)	Max. 0,2	EN 14105
Triglyceride content	% (m/m)	Max. 0,2	EN 14105
Free Glycerol	% (m/m)	Max. 0,02	EN 14105
Total Glycerol	% (m/m)	Max. 0,25	EN 14105
Group I metals (Na+K)	mg/kg	Max. 5	EN 14538
Group II metals (Ca+Mg)	mg/kg	Max. 5	EN 14538
Phosphorus content	mg/kg	Max. 4	EN 14107
CFPP	(15.04 – 30.09)	°C	Max. 0
	(01.10 – 14.04)	°C	Max. – 10
Cloudpoint	(15.04 – 30.09)	°C	Max. 5
	(01.10 – 14.04)	°C	Max. – 3
Pour Point	(01.10 – 14.04)	°C	- 18 bis - 9
Polyunsaturated methylester( ≥4 double bonds)	% (m/m)	Max. 1	EN 15779
BHT blend	ppm	200 bis 1000	
FBT	/	Max. 3	IP 387/14 (B)