

Fatty Acid Methyl Ester (FAME)

Product:

Biodiesel
(fatty acid methylester)

Applicable standards:

BS EN 14214:2012 + A2:2019

Use:

For blending into automotive diesel and for diesel engine vehicles approved to run on biodiesel

Sales specification	Units	Minimum	Maximum
Fatty Acid Methylester content	% (m/m)	96.5	-
Density at 15°C	kg/m ³	860.0	900.0
Viscosity at 40°C	mm ² /s	3.5	5.0
Flash point (PMCC)	°C	101	-
Sulphur content	mg/kg	-	10.0
Cetane number	-	51.0	-
Sulphurated ash content	% (m/m)	-	0.02
Water content	mg/kg	-	500
Total contamination	mg/kg	-	24
Copper corrosion (3h at 50°C)	rating	Class 1	
Oxidation stability (at 110°C)	hrs	8.0	-
Acid value	mgKOH/g	-	0.5
Iodine value	g iodine /100kg	-	120
Linolenic acid methyl ester	% (m/m)	-	12.0
Polyunsaturated methyl esters		-	1.0
Methanol content	% (m/m)	-	0.20
Monoglyceride content	% (m/m)	-	0.70
Diglyceride content	% (m/m)	-	0.20
Triglyceride content	% (m/m)	-	0.20
Free glycerol	% (m/m)	-	0.02
Total glycerol	% (m/m)	-	0.25
Group I metals (Na + K)	mg/kg	-	5.0
Group II metals (Ca + Mg)	mg/kg	-	5.0
Phosphorus content	mg/kg	-	4.0
Cold Filter Plugging Point (CFPP)	-	[2] [3]	

Additional Information

1. Visual appearance should be Haze 2 or better and free from visible particulates or undissolved water
2. Cold performance properties to be contractually agreed with customer
3. For blending into EN590 diesel, the FAME must meet the requirements of section EN14214 section 5.4 Climate dependent requirements
4. Health, Safety and Environmental information is given on Safety Data Sheet.

All Greenenergy fuels are designed for optimum operating and emissions performance.
For further information phone 020 7404 7700.