

Biodiesel

Sales specification	Units	Limits	Test method
Ester content	% (m/m)	min 96.5	EN 14103
Density at 15°C	kg/m ³	860–900	EN ISO 3675/ EN ISO 12185
Viscosity at 40°C	mm ² /s	3.50–5.00	EN ISO 3104
Flash point	°C	>120	EN ISO 3679
Sulphur content	mg/kg	max. 10.0	EN ISO 20846/ EN ISO 20884
Carbon residue (on 10% distillation residue)	% (m/m)	max. 0.30	EN ISO 10370
Cetane number	-	min. 51.0	EN ISO 5165
Sulphurated ash content	% (m/m)	max. 0.02	ISO 3987
Water content	mg/kg	max. 500	EN ISO 12937
Total contamination	mg/kg	max. 24	EN 12662
Copper corrosion (3h at 50°C)	rating	Class 1	EN ISO 2160
Oxidation stability (110°C)	hrs	min. 6.0	EN 14112
Acid value	mgKOH/g	max. 0.50	EN 14102
Iodine value	g iodine/100kg	max. 120	EN 14111
Linolenic acid methyl ester	% (m/m)	max. 12.0	EN 14103
Polyunsaturated methyl esters	% (m/m)	max. 1	
Methanol content	% (m/m)	max. 0.20	EN 14110
Monoglyceride content	% (m/m)	max. 0.80	EN 14105
Diglyceride content	% (m/m)	max. 0.20	EN 14105
Triglyceride content	% (m/m)	max. 0.20	EN 14105
Free glycerol	% (m/m)	max. 0.02	EN 14105/ EN 14106
Total glycerol	% (m/m)	max. 0.25	EN 14105
Group I metals (Na + K)	mg/kg	max. 5.0	EN 14108/14109
Group II metals (Ca + Mg)	mg/kg	max. 5.0	EN 14538
Phosphorus content	mg/kg	max. 10.0	EN 14107
CFPP	°C, max.	(1)	EN 116

(1) depending on customer preference.