

Property	Unit	Typical Values	Min	Max	Method
Flash point	°C	165	130	-	D93
Water & Sediment content	% vol.	< 0.035	-	0.05	D2709
Kinematic Viscosity at 40°C	mm ² /s	4.4	1.9	6.0	D445
Sulphated ash content	% mass	< 0.01	-	0.02	D874
Sulphur content	ppm	< 3	-	15	D5453
Copper band corrosion (3 hours at 50 °C)	rating	1a	-	No. 3	D130
Cetane Number	-	67	47	-	D613
Cloud Point	°C	13 – 18	report	report	D2500
Carbon residue (100% Sample)	% mass	< 0.05	-	0.05	D4530
Acid Number	mg KOH/g	< 0.4	-	0.5	D664
Free Glycerine	% mass	< 0.01	-	0.02	D6584
Total Glycerine	% mass	< 0.20	-	0.24	D6584
Phosphorus content	% mass	< 0.001	-	0.001	D4951
Distillation Temp, Atmospheric Equivalent Temperature, 90% Recovered	°C	340 – 350	-	360	D1160
Sodium & Potassium	ppm	< 2.5	-	5	EN14538
Calcium & Magnesium	ppm	< 5	-	5	EN14538
Oxidation Stability	Hours	8	3	-	EN 14112
Methanol Content	% volume	< 0.1	-	0.2	EN14110
Workmanship	Free of undissolved water, sediment, & suspended matter				

Palm Methyl Ester

BIODIESEL B100

EN 14214

Property	Unit	Typical Values	Min	Max	Method
Ester Content	% m/m	98 >	96.5	-	EN 14103
Density at 15 °C	kg/m ³	875	860	900	EN ISO 12185
Kinematic Viscosity at 40°C	mm ² /s	4.4	3.5	5.0	EN ISO 3104
Flash Point, PMCC	°C	165	130	-	EN ISO 3679
Sulphur	mg/kg	< 3	-	10	EN ISO 20846
Sulfated Ash	% mass	< 0.01	-	0.02	ISO 3987
Water Content	mg/kg	< 350	-	500	EN ISO 12937
Acid Value	mg KOH/g	< 0.4	-	0.5	EN 14104
Iodine Value	-	50 – 52	-	120	EN 14111
Linolenic Acid Methyl Esters	% mass	< 0.5	-	12	EN14103D
Polyunsaturated (>= 4 Double bonds) Methylene	% mass	< 0.1	-	1	-
Methanol Content	% m/m	< 0.1	-	0.2	EN 14110
Total Glycerine	% m/m	< 0.20	-	0.25	EN 14105
Free Glycerine	% m/m	< 0.01	-	0.02	EN 14105
Monoglyceride Content	% m/m	< 0.4	-	0.8	EN 14105
Diglyceride Content	% m/m	< 0.05	-	0.2	EN 14105
Triglyceride Content	% m/m	< 0.1	-	0.2	EN 14105
Alkaline Metals (Na + K)	mg/kg	< 2.5	-	5	EN 14108/9
Carbon Residue 10% Distillation Residue	% mass	< 0.1	-	0.3	EN 10370
Cetane Number	-	67	51	-	EN 5165
Total Contamination	mg/kg	< 3	-	24	EN 12662
Copper Corrosion @ 50C for 3 Hrs	-	1a	-	1	EN 2160
Oxidation Stability @ 110C	hr	6 – 8	6	-	EN 14112
Phosphorus Content	mg/kg	< 1	-	10	EN 14107
CFPP	°C	13 – 18	to report		EN 116

HS CODE 3824.90.900