

PALMATA® BIODIESEL (PME) SPECIFICATIONS



BIODIESEL (PALM METHYL ESTER) EN 14214 : 2012

PROPERTY	UNIT	TEST METHOD	SPECIFIED RANGE
Ester Content	% (m m ⁻¹)	EN 14103	96.5 Min
Density at 15°C	Kg m ⁻³	EN 3675 EN 12185	860 - 900
Kinematic Viscosity at 40°C	mm ² s ⁻¹	EN 3104	3.5 - 5.0
Flash Point	°C	ISO 3679	101 Min
Carbon Residue (on 10% distillation residue)	% (m m ⁻¹)	EN 10370	N/A
Acid value	mg KOH g ⁻¹	EN 14104	0.5 Max
Cetane Index / Number		EN 5165	51 Min
Sulphur Content	mg kg ⁻¹	EN 20846 EN 20884	10 Max
Sulphated Ash Content	% (m m ⁻¹)	ISO 3987	0.02 Max
Water Content	mg kg ⁻¹	EN 12937	500 Max
Total Contamination	mg kg ⁻¹	EN 12662	24 Max
Copper Strip Corrosion (3 hr at 50°C)	Rating	EN 2160	1 Max
Oxidation Stability (110°C)	hr	EN 14112	8 hr Min
Iodine Value	g I ₂ 100g ⁻¹	EN 14111	120 Max
Linolenic Acid Methyl Ester	% (m m ⁻¹)	EN 14103	12 Max
Polyunsaturated (≥4 double bonds) Methyl Esters	% (m m ⁻¹)		1 Max
Methanol Content	% (m m ⁻¹)	EN 14110	0.2 Max
Monoglyceride Content	% (m m ⁻¹)	EN 14105	0.7 Max
Diglyceride Content	% (m m ⁻¹)	EN 14105	0.2 Max
Triglyceride Content	% (m m ⁻¹)	EN 14105	0.2 Max
Free Glycerol	% (m m ⁻¹)	EN 14105 EN 14106	0.02 Max
Total Glycerol	% (m m ⁻¹)	EN 14106	0.25 Max
Group I Metals (Na + K)	mg kg ⁻¹	EN 14108 EN 14109	5 Max
Group II Metals (Ca + Mg)	mg kg ⁻¹	EN 14538	5 Max
Phosphorus Content	mg kg ⁻¹	EN 14107	4 Max
Cold Filter Plugging Point (CFPP)	°C	EN 116	15 Max

R2

PT. Pelita Agung Agrindustri
 Jl. Iskandar Muda No.107
 Medan 20154 - Indonesia
 Telp. +62-61-4567155
 trading@permatagroup.com