

VIRGOZ OILS & FATS PTE LTD

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Palm Methyl Ester (PME)

STANDARD EN 14214:2009 SPECIFICATIONS

	Property	Specified Range
1	Ester Content	96.5% (m/m) Min
2	Density at 15°C	860 – 900 kg/m ³
3	Viscosity at 40°C	3.5 – 5.0 mm ² /s
4	Flash Point	101°C Min
5	Sulfur Content	10 mg/kg Max
6	Carbon Residue (at 10% Distillation Residue)	0.3% (m/m) Max
7	Cetane Number	51.0 Min
8	Sulfated Ash Content	0.02% (m/m) Max
9	Moisture (Water Content)	500 PPM Max
10	Total Contamination	24 mg/kg Max
11	Copper Strip Corrosion (3 Hours at 50°C)	Class 1 Rating
12	Oxidation Stability, 110°C	6 Hours Min
13	Acid Value	0.5 mg KOH/g Max
14	Iodine Value	120 Max
15	Linolenic Acid Methyl Ester	12% (m/m) Max
16	Polyunsaturated (>= 4 double bonds) Methyl Esters	1% (m/m) Max
17	Methanol Content	0.2% (m/m) Max
18	Monoglyceride Content	0.8% (m/m) Max
19	Diglyceride Content	0.2% (m/m) Max
20	Triglyceride Content	0.2% (m/m) Max
21	Free Glycerol	0.02% (m/m) Max
22	Total Glycerol	0.25% (m/m) Max
23	Group I Metals (Na+K)	5 mg/kg Max
24	Group II Metals (Ca+Mg)	5 mg/kg Max
25	Phosphorus Content	4 mg/kg Max