

PRODUCT SPECIFICATION

Product Name	PLAT AMBER
Description	Palm Oil Mill Effluent Methyl Ester, Used Cooking Oil Methyl Ester, Palm Methyl Ester, Biodiesel

No.	Test Parameter	Units	Modified EN 14214	
			Test Methods	Specs
1	Ester Content	% (m/m)	EN14103	Min. 96.5
2	Linolenic Acid Methyl Ester Content	% (m/m)	EN14104	Min. 12
3	Polyunsaturated (≥ 4 double bonds) methyl ester	% (m/m)	EN14105	Max. 1
4	Density @15 °C	kg/m ³	EN ISO 12185	860-900
5	Kinematic Viscosity @ 40 °C	mm ² /s	EN ISO 3104	3.5-5.0
6	Flash Point	°C	EN ISO 3679	Min. 105
7	Sulfur Content	mg/kg ppm	EN ISO 20846	Max. 10
8	Carbon residue:	% (m/m)		
9	(a) On 10% distillation residue - EN ISO 10370		EN ISO 10370	Max. 0.3
10	(b) On 100% distillation residue - ASTM D4530			
11	Cetane Number	-	EN ISO 5165	Min. 51.0
12	Sulfated ash content	% (m/m)	EN ISO 3987	Max. 0.02
13	Water Content	mg/kg	EN ISO 12937	Max. 500
14	Copper strip (band) corrosion (3 hrs at 50 °C)	Rating	EN ISO 2160	Min. Class 1
15	Oxidation Stability, 110 °C	Hours	EN 14112	Min 8
16	Acid Number / Value	mg KOH/g	EN 14104	Max 0.5
17	Iodine Value	g iodine /100 g	EN 14111	Max. 120
18	Methanol Content	% (m/m)	EN 14110	Max. 0.2
19	Monoglyceride Content	% (m/m)	EN 14105	Max. 0.7
20	Diglyceride Content	% (m/m)	EN 14105	Max. 0.2
21	Triglyceride Content	% (m/m)	EN 14105	Max. 0.2
22	Free Glycerine	% (m/m)	EN 14105	Max. 0.02
23	Total Glycerine	% (m/m)	EN 14105	Max. 0.25
24	Alkaline Earth Metals (Na + K)	mg/kg	EN 14108 EN 14109	Max. 5
25	Alkaline Earth Metals (Ca + Mg)	mg/kg	EN 14538	Max. 5
26	Phosphorus Content	mg/kg	EN 14107	Max. 4
27	Cold Filter Plugging Point, CFPP	°C	EN 116	report

Platinum Green Chemicals Sdn Bhd (162740-V)

Lot 15-19 & PT 1409

T +606 677 8080

Senawang Industrial Estate

F +606 677 0309

Batu 4, Jalan Tampin

W www.platinumgroup.com.my

70450 Seremban

Negeri Sembilan

Printed on paper from sustainable forests