



Bio Green Wax Ltd

128 City Road, London, UK, EC1V 2NX

Email: info@biogreenwax.com

Phone: +44 20 7101 3847

Web: <https://biogreenwax.com>

Specification Sheet

Product Name: Palm Oil 3639

Parameter	Standard	Result	Method
Color (Lovibond 5¼" cell, Red)	1.7 Max	1.5	AOCS Cc 13e-92
Iodine Value (WIJS), g I ₂ /100g	50 - 55	51.36	AOCS Cd 1b-87
Slip Melting Point (°C)	36 - 39	38.6	AOCS Cc 3-25
Peroxide Value (meq/kg)	1.0 Max	0.62	AOCS Cd 8b-90
Moisture & Volatile Matter (% wt)	0.1 Max	0.045	AOCS Ca 2c-25
Free Fatty Acid (% wt as Palmitic Acid)	0.1 Max	0.069	AOCS Ca 5a-40
Smell	Normal	Normal	Organoleptic
Appearance	Solid	Solid	Visual
Taste	Bland	Bland	Organoleptic
Sulfur (ppm)	300 Max	10	ASTM D5453-19a

Solid Fat Content (IUPAC 2.150a)

Temperature	Standard (%)	Result (%)	Method
20°C	25 - 29	25.21	IUPAC 2.150a
25°C	12 - 18	16.25	IUPAC 2.150a
30°C	8 - 11	10.41	IUPAC 2.150a
35°C	4 - 7	6.31	IUPAC 2.150a
40°C	5 Max	2.71	IUPAC 2.150a

Heavy Metals Analysis

Parameter	Standard (ppm)	Result (ppm)	Method
Arsenic (As)	0.1 Max	< 0.013	MU/MAKMIN/13 (SSA)
Iron (Fe)	1.5 Max	< 0.017	AOAC 999.11
Copper (Cu)	0.1 Max	< 0.008	AOAC 999.11
Nickel (Ni)	0.1 Max	< 0.020	AOAC 999.11
Lead (Pb)	0.1 Max	0.024	AOAC 999.11
Mercury (Hg)	0.05 Max	< 0.005	MU/MAKMIN/12 (SSA)
Cadmium (Cd)	0.1 Max	0.003	AOAC 999.11

