

TECHNICAL DATA SHEET

Efficacious Ingredients * Hygienically Stored & Processed * Convenient Deliveries

Product Name: Buriti Oil

INCI: Mauritia Flexuosa (Buriti) Fruit Oil

Part Used	Fruit
Extraction Method	Cold Pressed
Quality	100% Pure and Natural

Items	Specifications	Results
Appearance	Reddish orange colored liquid	Conforms
Odour	Characteristic mild natural odour	Conforms
Refractive Index	1.430 - 1.480 @ 20°C	1.455
Specific Gravity (g/mL)	0.900 - 0.980 @ 20°C	0.937
Saponification Value (mgKOH/g)	150 – 210	165
Peroxide Value (meq O ₂ /kg)	Less than 5.0	Conforms
Iodine Value (g I ₂ /100g)	65 – 95	73
Free Fatty Acids (% oleic)	Less than 2.0	Conforms
Acid Value (mgKOH/g)	Less than 4.0	Conforms
Solubility	Soluble in cosmetic esters and fixed oils; Insoluble in water	Conforms

FATTY ACID COMPOSITION:

Fatty acid	C-chain	Specifications (%)	Results (%)
Palmitic Acid	C16:0	8.00 – 20.00	12.70
Stearic Acid	C18:0	Maximum 3.00	0.90
Oleic Acid	C18:1 (n-9)	60.00 – 85.00	73.80
Linoleic Acid	C18:2 (n-6)	3.00 – 8.00	5.80
Alpha-Linolenic Acid	C18:3 (n-3)	2.00 – 10.00	5.90

Microbial analysis	Specifications	Standards	Results
Aerobic mesophilic bacterial count	< 100 cfu/g	ISO 21149	Conforms
Yeast and mould	< 10 cfu/g	ISO 16212	Conforms
Candida albicans	Absent / 1g	ISO 18416	Conforms
Escherichia coli	Absent / 1g	ISO 21150	Conforms
Pseudomonas aeruginosa	Absent / 1g	ISO 22717	Conforms
Staphylococcus aureus	Absent / 1g	ISO 22718	Conforms

Heavy metal tests	Specifications	Standards	Results
Lead: pb (mg/kg or ppm)	< 10 ppm	Na	Conforms
Arsenic: as (mg/kg or ppm)	< 2 ppm	Na	Conforms
Mercury: hg (mg/kg or ppm)	< 1 ppm	Na	Conforms

STABILITY AND STORAGE

Keep in tightly closed container in a cool and dry place, protected from sunlight.

DISCLAIMER

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