

TECHNICAL DATA SHEET

VERSION: SEPTEMBER 2024

INGREDIENT INFORMATION

Product name	Buriti Oil
Botanical name	Mauritia Flexuosa
CAS Number	394239-67-9
INCI Name	Mauritia Flexuosa Fruit Oil
Product use	Active ingredient in Personal Care applications
Origin	Brazil

Part used	Fruit pulp
Extraction Method	Cold pressed
Quality	100% pure, unrefined

ORGANOLEPTIC QUALITY

Appearance	Liquid oil
Color	Orange- red
Odor	Characteristic natural

PROPERTIES

	SPECIFICATION
Acid Value (mgKOH/g)	<10
Refractive value	1.45 – 1.475
Peroxide Value (meqO2/kg)	<15
Saponification (mg KOH/g)	180-200
Iodine Value (g/100g)	60-80
Solubility	Insoluble in water

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Fatty acids composition

Fatty acid	SPECIFICATION
C16:0 Palmitic Acid (%)	15-22
C18:0 Stearic Acid (%)	1-3
C18:1 Oleic Acid (Omega 9) (%)	68-76
C18:2 Linoleic Acid (Omega 6) (%)	1.2-3.5
C18:3 Linolenic Acid (Omega 3) (%)	0.5-2.0
C20:0 Arachidic acid (%)	<2

Stability and storage:

Storage conditions: Cool, dark and dry.

Keep away from direct sunlight.

Shelf life: 24 months after the date of manufacturing, in its original closed packaging and in the recommended conditions.