

TECHNICAL DATA SHEET

VERSION: MAY 2024

INGREDIENT INFORMATION

Product name	Murumuru butter
Botanical name	Astrocaryum murumuru
CAS Number	356065-49-1
INCI Name	Astrocaryum murumuru seed butter
Product use	For personal care applications
Origin	Brazil

Part used	Seeds
Extraction Method	Cold pressed and filtered
Quality	100% pure

ORGANOLEPTIC QUALITY

Appearance	Waxy solid
Color	White to light yellow
Odor	Characteristic

PROPERTIES:

	SPECIFICATION
Specific gravity (g/cm3 at 300C)	0,890 –0,920
Acidity Index (% in lauric acid)	<5
Iodine Index (g I2/100g)	9.0 – 15.0
Peroxide Value (meqO2/kg)	<15
Saponification index (mg KOH/g)	220-240
Unsaponifiable matter (%)	<1.5
Solubility	Water insoluble

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Fatty acids composition:

Fatty acid	SPECIFICATION (%)
C12:0 Lauric Acid	44.0 -56.0
C14:0 Myristic Acid	24.0 -32.0
C16:0 Palmitic Acid	5.0 - 9.0
C18:1 Oleic Acid (Omega 9)	5.0 – 10.0
C18:2 Linoleic Acid (Omega 6)	<4.5
C18:3 Linolenic Acid (Omega 3)	<0.1
C20:0 Arachidic acid	Min. 0.1

Stability and storage:

Storage conditions: Cool, dark and dry. Keep away from direct sunlight.

Shelf life: 24 months, if maintained in the original close package at room temperature (25°C). Keep the closed container, protected from moisture, light and heat.