

TECHNICAL DATA SHEET

VERSION: MAY 2025

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 –0,949
Acidity Index (% in lauric acid)	<10
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	40.0 -50.0
C14:0 Myristic Acid	28.0 -33.0
C16:0 Palmitic Acid	5.0 - 10.0
C18:1 Oleic Acid (Omega 9)	2.0 – 5.0
C18:2 Linoleic Acid (Omega 6)	1.0 – 5.0
C18:3 Linolenic Acid (Omega 3)	0.0 – 1.0
C20:0 Arachidic acid	0.0 – 1.0

Guarantees	• GMO free • Organically produced • Natural • Suitable for Vegan/Vegetarians • Free of irradiation • Not tested on animals • No preservatives/additives intentionally added • Not produced from species included in the CITES list. • No genetic resources were extracted to produce this vegetable oil. Hence the Nagoya protocol doesn't apply to this product. • Not considered as a VOC. • The natural index according to ISO 16128-1 and ISO 16128-2 are: Natural Index: 1 / Natural Origin Index: 1 • RM questionnaire for COSMOS APPROVED available
Regulatory compliance	EU: • Exempted from Regulation (EC) No 1907/2006 (REACH). • The product does not contain any of the substances that are so far considered of very high concern (SVHC) by the European REACH Regulation. • Does not contain substances classified as CMR 1A, 1B or 2 according to Annex VI of Regulation EC 1272/2008 and its amendments. • Does not contain fragrance allergens listed in regulation 2023/1545, of July 26, 2023, amending Regulation (EC) No. 1223/2009 on the allergens listed in annex III. • No nanomaterials according to the EU recommendation 2022/C229/01. • In conformity with Regulation 396/2005/EC on maximum residue levels of pesticides.



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	China: • Listed in the 'Inventory of Existing Cosmetic Ingredients in China (IECIC 2021)' USA: Based on the actual production process and to the best of our knowledge, it doesn't contain any substance listed on the California Proposition 65.
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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.