

TECHNICAL DATA SHEET

VERSION: JANUARY 2025

INGREDIENT INFORMATION

Product name	Andiroba oil
Botanical name	Carapa guianensis
CAS Number	352458-32-3
INCI Name	Carapa guianensis seed oil
Product use	For personal care applications
Origin	Brazil

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

ORGANOLEPTIC QUALITY

Appearance	Liquid
Color	Light yellow to light brown
Odor	Characteristic, pleasant

PROPERTIES:

	SPECIFICATION
Density (g/cm ³ at 25°C)	0,900 – 0,950
Acid Value (% as oleic acid)	<30
Refractive value (at 25°C)	1,46– 1,47
Peroxide Value (meqO ₂ /kg)	<15
Saponification index (mg KOH/g)	180 – 200
Iodine Index (g I ₂ /100g)	50-70

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Fatty acids composition:

Fatty acid	SPECIFICATION (%)
C16:0 Palmitic Acid	26 – 30
C18:0 Stearic Acid	8-12
C18:1 Oleic Acid (Omega 9)	45– 50
C18:2 Linoleic Acid (Omega 6)	8-12
C20:0 Arachidic acid	>1

Stability and storage:

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

Shelf life: 24 months if maintained in the original sealed package at room temperature (25°C).

The oil can solidify below 25°C, this is reversible when the bottom is returned to room temperature. This won't affect the quality of the oil.