

TECHNICAL DATA SHEET

Product Name	PEQUI OIL
Botanical Name	Caryocar brasiliense
Product Code	PCO4102
INCI Name	Caryocar brasiliense (Pequi) Fruit Oil

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

<u>PROPERTIES</u>	<u>SPECIFICATIONS</u>
Appearance	Yellow to dark amber colored liquid
Odour	Characteristic sweet, fruity odour
Refractive Index	1.460 - 1.480 @ 20°C
Specific Gravity (g/mL)	0.910 - 0.950 @ 20°C
Saponification Value (mgKOH/g)	190 - 220
Peroxide Value (meq O₂/kg)	Less than 8.0
Iodine Value (g I₂/100g)	90 - 110
Free Fatty Acids (% oleic)	Less than 1.5
Acid Value (mgKOH/g)	Less than 2.5
Solubility	Soluble in alcohols and fixed oils; Insoluble in water

FATTY ACID COMPOSITION:

<u>FATTY ACID</u>	<u>C-CHAIN</u>	<u>SPECIFICATIONS (%)</u>
Palmitic Acid	C16:0	20.00 – 45.00
Palmitoleic Acid	C16:1 (n-7)	0.40 – 1.00
Stearic Acid	C18:0	1.50 – 3.00
Oleic Acid	C18:1 (n-9)	45.00 – 55.00
Linoleic Acid	C18:2 (n-6)	Maximum 15.00
Alpha-Linolenic Acid	C18:3 (n-3)	0.30 – 1.00

STABILITY AND STORAGE:

Keep in tightly closed container in a cool and dry place, protected from sunlight. When stored for more than 24 months, quality should be checked before use.

As it is electronically generated document, hence no signature required.

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