

TECHNICAL DATA SHEET

Product Name	AMARANTH SEED OIL
Botanical Name	Amaranthus caudatus
Product Code	PCO4096
CAS #	223747-79-3
INCI Name	Amaranthus caudatus Seed Oil

Part Used	Seeds
Extraction Method	Supercritical CO ₂ Extraction
Quality	100% Pure and Natural

<u>PROPERTIES</u>	<u>SPECIFICATIONS</u>
Appearance	Pale yellow to golden colored liquid
Odour	Characteristic odour
Refractive Index	1.450 - 1.490 @ 20°C
Specific Gravity (g/mL)	0.900 - 0.945 @ 20°C
Saponification Value (mgKOH/g)	135 - 200
Peroxide Value (meq O₂/kg)	Less than 10.0
Melting Point (°C)	-20°C to -30°C
Alpha-Tocopherol (mg/100g)	5 - 10
Iodine Value (g I₂/100g)	100 - 140
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	15.00 – 25.00
Stearic Acid	C18:0	2.00 – 5.00
Oleic Acid	C18:1 (n-9)	15.00 – 30.00
Linoleic Acid	C18:2 (n-6)	40.00 – 50.00

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

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