

TECHNICAL DATA SHEET

Product Name	ALMOND SWEET OIL
Botanical Name	Prunus amygdalus dulcis
Product Code	PCO4083
CAS #	8007-69-0; 90320-37-9
FEMA #	2046
EINECS #	291-063-5
INCI Name	Prunus amygdalus dulcis (Sweet Almond) Oil

Part Used	Nuts/Kernels
Extraction Method	Cold Pressed
Quality	100% Pure and Natural

<u>PROPERTIES</u>	<u>SPECIFICATIONS</u>
Appearance	Pale yellow to golden colored slightly viscous liquid
Odour	Almost absent, slightly nutty odour
Refractive Index	1.465 - 1.475 @ 20°C
Specific Gravity (g/mL)	0.910 - 0.930 @ 20°C
Saponification Value (mgKOH/g)	185 - 200
Peroxide Value (meq O₂/kg)	Less than 5.0
Iodine Value (g I₂/100g)	93 - 110
Free Fatty Acids (% oleic)	Less than 0.25
Acid Value (mgKOH/g)	Less than 0.5
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	3.00 – 9.00
Palmitoleic Acid	C16:1 (n-7)	Maximum 2.0
Stearic Acid	C18:0	Maximum 4.0
Oleic Acid	C18:1 (n-9)	60.00 – 86.00
Linoleic Acid	C18:2 (n-6)	20.00 – 30.00
Alpha-Linolenic Acid	C18:3 (n-3)	Maximum 2.0

As it is electronically generated document, hence no signature required

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