

TECHNICAL DATA SHEET

Product Name	APPLE SEED OIL
Botanical Name	Pyrus Malus
Product Code	PCO4064
CAS #	85251-63-4
EINECS #	286-475-7
INCI Name	Pyrus malus (Apple) Seed Oil

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

<u>PROPERTIES</u>	<u>SPECIFICATIONS</u>
Appearance	Pale yellow to yellow green colored liquid
Odour	Mild, characteristic odour
Refractive Index	1.465 - 1.485 @ 20°C
Specific Gravity (g/mL)	0.910 - 0.940 @ 20°C
Saponification Value (mgKOH/g)	180 - 200
Peroxide Value (meq O₂/kg)	Less than 5.0
Iodine Value (g I₂/100g)	130 - 170
Free Fatty Acids (% oleic)	Less than 5.0
Acid Value (mgKOH/g)	Less than 10.0
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	4.00 – 8.00
Stearic Acid	C18:0	Maximum 5.00
Oleic Acid	C18:1 (n-9)	28.00 – 34.00
Linoleic Acid	C18:2 (n-6)	52.00 – 64.00
Alpha-Linolenic Acid	C18:3 (n-3)	Maximum 3.00
Arachidic Acid	C20:0	Maximum 3.50

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

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