

TECHNICAL DATA SHEET

Product Name	CHERRY KERNEL OIL
Botanical Name	Prunus avium
Product Code	PCO4050
CAS #	8022-29-5 ; 85566-22-9
EINECS #	287-632-2
INCI Name	Prunus avium (Cherry) Kernel Oil

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

<u>PROPERTIES</u>	<u>SPECIFICATIONS</u>
Appearance	Pale yellow colored liquid
Odour	Almost odourless
Refractive Index	1.463 - 1.480 @ 20°C
Specific Gravity (g/mL)	0.910 - 0.925 @ 20°C
Saponification Value (mgKOH/g)	180 - 200
Peroxide Value (meq O₂/kg)	Less than 5.0
Iodine Value (g I₂/100g)	120 - 135
Free Fatty Acids (% oleic)	Less than 0.5
Acid Value (mgKOH/g)	Less than 1.0
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	5.50 – 10.00
Stearic Acid	C18:0	Maximum 4.0
Oleic Acid	C18:1 (n-9)	23.00 – 45.00
Linoleic Acid	C18:2 (n-6)	40.00 – 55.00
Alpha-Linolenic Acid	C18:3 (n-3)	3.00 – 13.00
Arachidic Acid	C20:0	Maximum 1.50

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

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