

TECHNICAL DATA SHEET

Product Name	ROSE HIP SEED OIL
Botanical Name	Rosa canina
Product Code	PCO4016
CAS #	84603-93-0 ; 84696-47-9
EINECS #	283-652-0
INCI Name	Rosa canina (Rose hip) Seed oil

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

<u>PROPERTIES</u>	<u>SPECIFICATIONS</u>
Appearance	Pale yellow to reddish orange colored liquid
Odour	Sweet, characteristic odour
Refractive Index	1.470 - 1.490 @ 20°C
Specific Gravity (g/mL)	0.920 - 0.940 @ 20°C
Saponification Value (mgKOH/g)	175 - 195
Iodine Value (g I₂/100g)	165 - 195
Peroxide Value (meq O₂/kg)	Less than 1.0
Free Fatty Acids (% oleic)	Less than 0.2
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	2.0 – 5.0
Stearic Acid	C18:0	Maximum 3.0
Oleic Acid	C18:1 (n-9)	13.00 – 18.00
Linoleic Acid	C18:2 (n-6)	35.00 – 50.00
Alpha-Linolenic Acid	C18:3 (n-3)	22.00 – 38.00
Arachidic Acid	C20:0	Maximum 1.0

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

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