

TECHNICAL DATA SHEET

Product Name	SAFFLOWER OIL (HIGH OLEIC)
Botanical Name	Carthamus tinctorius
Product Code	PCO4046
CAS #	8001-23-8
EINECS #	232-276-5
INCI Name	Carthamus tinctorius (Safflower) Seed Oil

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

<u>PROPERTIES</u>	<u>SPECIFICATIONS</u>
Appearance	Golden yellow colored liquid
Odour	Characteristic bland odour
Refractive Index	1.460 - 1.480 @ 20°C
Specific Gravity (g/mL)	0.913 - 0.924 @ 20°C
Saponification Value (mgKOH/g)	180 - 200
Peroxide Value (meq O₂/kg)	Less than 10.0
Iodine Value (g I₂/100g)	85 - 95
Free Fatty Acids (% oleic)	Less than 2.0
Acid Value (mgKOH/g)	Less than 4.0
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	3.00 – 8.00
Stearic Acid	C18:0	1.00 – 4.00
Oleic Acid	C18:1 (n-9)	70.00 – 80.00
Linoleic Acid	C18:2 (n-6)	12.00 – 18.00
Linolenic Acid	C18:3 (n-3)	Maximum 1.2

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

DISCLAIMER: Please refer to all relevant technical information specific to the product, prior to use. The information contained in this document is obtained from current and reliable sources. Paras Perfumers provides the information contained herein, but makes no representation as to its comprehensiveness or accuracy. Individuals receiving this information must exercise their independent judgement in determining its appropriateness for a particular purpose.