

TECHNICAL DATA SHEET

Product Name	OAT OIL
Botanical Name	Avena sativa
Product Code	PCO4060
CAS #	84012-26-0
EINECS #	281-672-4
INCI Name	Avena sativa (Oat) Kernel Oil

Part Used	Seed Kernels
Extraction Method	Solvent Extraction
Quality	100% Pure and Natural

<u>PROPERTIES</u>	<u>SPECIFICATIONS</u>
Appearance	Pale yellow to brown colored liquid
Odour	Natural, characteristic oat-like odour
Refractive Index	1.465 - 1.475 @ 20°C
Specific Gravity (g/mL)	0.890 - 0.920 @ 20°C
Saponification Value (mgKOH/g)	185 - 200
Peroxide Value (meq O₂/kg)	Less than 10.0
Iodine Value (g I₂/100g)	86 - 123
Free Fatty Acids (% oleic)	Less than 5.0
Acid Value (mgKOH/g)	Less than 15.0
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	14.50 – 15.00
Stearic Acid	C18:0	1.50 – 1.80
Oleic Acid	C18:1 (n-9)	39.00 – 43.00
Linoleic Acid	C18:2 (n-6)	37.00 – 40.00
Alpha-Linolenic Acid	C18:3 (n-3)	1.20 – 1.50

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

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