

Product Specification



Product: Castor Oil CP Unrefined
CAS Number: 8001-79-4
EC Number: 232-293-8
INCI NAME: Ricinus Communis Seed Oil

Parameter	Specifications
DESCRIPTION	Ricinus Communis need Oil is the fixed oil obtained from the seeds of Castor, <i>Ricinus communis</i> , <i>Euphorbiaceae</i> .
APPEARANCE	Viscous oily liquid; pale yellow.
ODOUR	Characteristic
SPECIFIC GRAVITY @ 20°C(G/ML)	0.958 – 0.970
REFRACTIVE INDEX (20°C)	1.477 – 1.481
ACID VALUE (MG KOH/G)	≤ 2.0
FREE FATTY ACID	≤ 1.0
IODINE VALUE (MG/KG)	82.0 - 90.0
SAPONIFICATION VALUE (MGKOH/G)	176.0-187.0
HYDROXYL VALUE (MGKOH/G)	≥ 160.0
UNSAPONIFIABLE MATTER (%)	≤ 0.8
MOISTURE AND IMPURITIES	≤ 0.3
SPECIFIC ABSORBANCE	≤ 0.7
PEROXIDE VALUE (MEQ /KG)	≤ 10.0 (at time of production analysis)

<u>FATTY ACID PROFILE (%)</u>	
C16:0 PALMITIC ACID	≤ 2.0
C18:0 STEARIC ACID	≤ 2.5
C18:1 OLEIC ACID	2.5 - 6.0
C18:1 RICINOLEIC ACID	85.0-92.0
C 18:2 LINOLEIC ACID	2.5-7.0
C 18:3 LINOLENIC ACID	≤ 1.0
C 20:1 EICOSENOIC ACID	≤ 1.0

Stability:

When stored for more than 24 months, quality should be checked before use.

Packaging And Storage:

Store product in full, tightly closed containers in a cool dry place away from heat and sunlight

DirectChems , 7.02.20222

Statement: We guarantee the parameters listed above, all other requested additional parameters we cannot guarantee unless expressly stating such in writing and amending the standard specifications above. Test methods may vary, and unless expressly stated the method chosen, end users should make their own judgements on the usability of the material above in their end products or formulations, by requesting samples, trial orders prior to full production.

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