

ULTRA

Castor Oil

Technical Data Sheet

We offer **Castor Oil** of Several grades, viz. Commercial, B.S.S., first Special, Electrical, Solvent Extracted, Deodorized, Cosmetics, Pharmaceutical, Etc. The First Three Grades Specifications are as given below. The other grades are offered against specific enquiries.

Specifications

	Commercial	B.S.S.	First Special
Description	Yellow, Viscous liquid	Pale Yellow viscous liquid	Pale Yellow viscous
liquid			
Sp. Gravity @ 15.5/15.5°C	-----	0.958 - 0.969	-----
Wt. per ml. @ 30°C	-----	-----	0.954 - 0.960
M.I.V.	0.50% max.	0.375 % max	0.25% max
Refractive index @ 40°C	1.4700 - 1.4740	1.4770 - 1.4810	1.4700 -
1.4740			
Optical Rotation	-----	-----	+3.5
Iodine value @ 40°C	82 - 90	82 - 90	82 - 90
Saponification Value	177 - 185	177-185	177 - 185
Unsaponifiable matter	1% Max	1% max	1% max
Free Fatty Acid (FFA) as Oleic Acid	2% max.	-----	-----
Acid Value	4 max	2 max	2 max
Acteyl Value	143 min	143 min	140 min
Colour in Lovibond 1" cell, Y + 5R Basis	30 Units max.	3.5 Units max	3.7 Units max 2.2Y, 0.3R max

Reactions & Applications

Castor Oil, also known as Ricinus Oil, is a triglyceride of fatty acid like most other fats. However, it is a unique fat in that it contains 87 - 90% ricinoleic acid, cis-12-hydroxyoctadec-9-enoic acid, a rare source of an eighteen carbon hydroxylated fatty acid with one double bond.

Castor Oil is recovered from castor beans by use of hydraulic presses or continuous mechanical screw expellers, followed by solvent extraction. This yields castor pomace with about 1-2% residual oil content. The castor pomace has a protein content of about 35% and it is mostly used as a fertilizer.

PACKING

235 Kgs HM HDPE Drums /80 Drums per FCL

ULTRA CHEMICAL WORKS

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