

# CASTOR OIL

## Description

Castor Oil is a natural oil obtained from the seed of the Ricinus Communis or castor plant. It is unique among naturally occurring oils in that it is the only commercially sold oil composed of approximately 85-90% Ricinoleic acid.

## Properties Specifications

COLOR	Lovibond,	20Y 2.0R
HYDROXY VALUE	mg KOH/gm	160-168
VISCOSITY	°C Stokes	6.3-8.9
FREE FATTY ACIDS	% MAX	1.0
MOISTURE & VOLATILE	MAX	0.25%
INSOLUBLE IMPURITIES	MAX	0.02%
RICINOLEIC ACID CONTENT	MIN	85%
APPEARANCE	@ 25°C	CLEAR
ODOR		SLIGHT
SOLUBILITY IN ALCOHOL	@ 20°C	COMPLETE W/O TURBIDITY

## Additional Properties

• SPECIFIC GRAVITY @ 25°C	0.957-0.965
• REFRACTIVE INDEX @ 25°C	1.476-1.479
• IODINE VALUE	83-88
• SAPONIFICATION VALUE	175-185
• UNSAPONIFIABLE	0.7%
• COLOR-GARDNER (MAX)	3
• ACID VALUE (MAX)	2

## Applications

- Urethanes
- Adhesives
- Plastics
- Cosmetics
- Inks
- Rubber
- Pharmaceuticals
- Greases
- Textiles

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