



## PRODUCT SPECIFICATION SHEET – CASTOR OIL

GENERAL INFORMATION			
INCI Name	Ricinus communis (Castor) Seed Oil		
Botanical source	<u>Ricinus communis</u>		
Botanical family	Euphorbiaceae		
Description	The fixed oil is obtained from the cold pressed of Ricinus communis Seeds		
Status	Conventional / Organic		
Part of Plant Used	Seeds		
Production Process	Cold Pressed		
Origin	Egypt		
Manufacturer	Pure Essential Oils & Herbs Co.		
REGULATORY INFORMATION			
FEMA	2263	EINECS	232-293-8
FDA	182.2	CAS EINECS	N/A
CAS TCSA	8001-79-4	Product Code	PCP-03200
PHYSICAL PROPERTIES			
Appearance	Colorless or slightly yellow viscous liquid	Moisture & Impurities (%)	< 0.30
Odour/taste	Faint, mild	Saponification	176.0 – 187.0
Refractive index @20°C	1.477 – 1.481	Unsaponifiable Matter	< 0.8
Density @20°C	0.952 – 0.965	Peroxide	≤ 10.0
Optical Rotation @20°C	+3.5 to +6.0	Hydroxyl value	> 150
Acid Value	≤ 2.0	Shelf Life	24 Months
Iodine value (g/100g)	82.0 – 90.0	Uses	Pharmaceutical Industries
Solubility	Insoluble in Water , Soluble in alcohol and fixed oils		
Fatty Acid Profile			
Palmitic Acid C 16:0	≤ 2.0	Linoleic Acid C 18:2	2.5 – 7.0
Stearic Acid C 18:0	≤ 2.5	Alpha Linolenic Acid C 18:3	≤ 1.0
Oleic acid C 18:1	2.5 – 6.0	Eicosenoic Acid C 20:1	≤ 1.0
Ricinoleic Acid (OH) C 18:1	85.0 – 92.0		

### STABILITY AND STORAGE:

Keep in tightly closed container in a cool and dry place, protected from sunlight. When stored for more than 24 months, quality should be checked before use.

### Disclaimer:

The information contained in this specification is based on data considered to be accurate and reliable as at the date of the specification to the best of the supplier's knowledge and belief. It is user's obligation to determine the safe use of the product for its own applications or suitability for use since the conditions of use, handling, storage and disposal are beyond the supplier's control. The user should therefore take all necessary precautions to ensure the safe and suitable use of the product described in the specification.

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**Manager Quality Control,**  
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Approved by:	QA	Version:	24 Jan. 2020
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