



House of  
**CASTOR OIL**



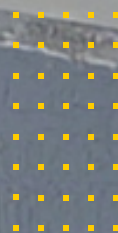
**CASTORA International Private Limited**, is an emerging global export company of castor oil & castor oil-based chemicals and committed to delivering high-quality products and services to customers worldwide.

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# House of CASTOR OIL

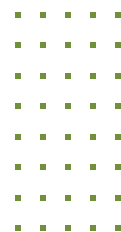


**CASTORA International Private Limited**, is a sister company of Longevity Group LLC, a US based company. It has a state-of-the-art manufacturing plant located in Surendranagar districts in India.

India being the largest producer of castor seed and Gujarat accounts for more than 80% of its production. Due to its unique characteristics, it is one of the most widely used oil in many industrial, pharmaceutical and cosmetic products. It includes a mixture of triglycerides in which about 90% of fatty acids are ricinolates. Oleic acid and linoleic acid are the other significant components.

It is also well known as a source of ricinoleic acid, a monounsaturated, 18-carbon fatty acid. Among fatty acids, ricinoleic acid is unusual in that it has a hydroxyl functional group on the 12th carbon atom. This functional group causes ricinoleic acid (and castor oil) to be more polar than most fats. The chemical reactivity of the alcohol group also allows chemical derivatization that is not possible with most other seed oils.





## FIRST SPECIAL GRADE CASTOR OIL / REFINED CASTOR OIL

Castor Oil is a triglyceride of fatty acid. It serves as an industrial raw material for the manufacture of a number of complex organic derivatives. Various reaction products find applications in diverse areas like paints, coatings, emulsifiers, wetting agents, dispersing agents and industrial greases.

### Specification:

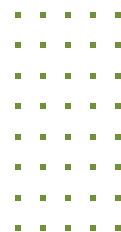
Sr. No.	Test Parameter	Specification
1	Appearance	Yellow clear liquid, free from suspended matter
2	Colour 5 ¼" Scale	Yellow: 20 Max, Red: 2.0 Max
3	Acid Value	2.0 Max
4	Hydroxyl Value	160 Min
5	Saponification Value	177 - 185
6	Iodine Value	82 - 90
7	Free Fatty Acid (%)	1.0 Max
8	Moisture (%)	0.25 Max
9	Insoluble Impurities (%)	0.02 Max
10	Specific gravity	0.954 - 0.960
11	Ricinolic Acid (%)	85 Min

### Packing:

- Bulk in ISO Tank / Flexi Tank / Bulk in Vessel
- 200 / 225 kg MS Drums / HDPE Drums
- 950 kg IBC







## COMMERCIAL GRADE CASTOR OIL

It is a pale yellow, viscous, oily liquid insoluble in water. It contains more than 87% of a unique hydroxy fatty acid viz. Ricinoleic acid. It is used for many industrial applications. It is used extensively in the manufacturing of textile chemicals or as a wetting agent for inks, coatings, and adhesives.

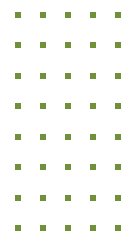
### Specification:

Sr. No.	Test Parameter	Specification
1	Appearance	Yellow Viscous Clear Liquid
2	Colour 1" Scale	Yellow: 15 Max, Red: 1.5 Max
3	Free Fatty Acid (%)	2.0 Max
4	Acid Value	4.0 Max
5	Iodine Value	82 – 90
6	Moisture & Volatile Matter (%)	0.5 Max
7	Saponification Value	177 – 185
8	Hydroxyl Value	160 – 168
9	Specific gravity	0.954 – 0.960
10	Ricinolic Acid Content, %	85 Min
11	Refractive Index	1.4700 – 1.4740

### Packing:

- Bulk in ISO Tank / Flexi Tank / Bulk in Vessel
- 200 / 225 kg MS Drums / HDPE Drums
- 950 kg IBC





## CASTOR SEED MEAL / DE-OILED CASTOR CAKE (DOC)

- Castor seed meal is a by-product of the castor oil extraction process.
- It is the residue that remains after the oil has been extracted from the castor seeds.
- Castor seed meal is a high-protein, high-fibre ingredient that is commonly used as a fertilizer for crops.
- Castor seed meal is a good source of nitrogen, phosphorus, and potassium, as well as other organic nutrients making it ideal natural organic fertilizer.
- It is often used as an organic alternative to chemical fertilizers because it helps improve soil fertility over time.
- However, it should be noted that castor seed meal contains ricin, a toxic compound that can be harmful to both humans and animals, so it should be used with caution and according to recommended guidelines.

### USES:

#### Excellent Organic Fertilizer:

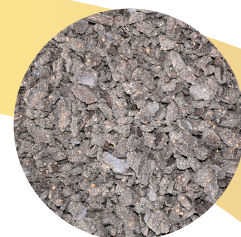
- Castor meal is a good organic fertilizer that can be used to improve soil fertility because it contains nitrogen, phosphorus, and potassium, which are essential nutrients for plant growth.

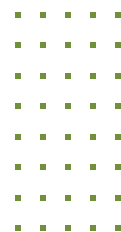
#### Industrial uses:

- Castor meal can be used as a raw material for the production of biofuels, biopolymers, and other industrial products.

#### Animal Feed:

- Castor meal can be used in animal feed formulations after detoxification of castor oil cake.





## CASTOR SEED MEAL / DE-OILED CASTOR CAKE (DOC)

### Specification:

Sr. No.	Test Parameter	Specification
1	Oil Content (%)	0.5 - 1.0
2	Moisture (%)	12 Max
3	Nitrogen (%)	4.0 Min
4	Phosphorous (%)	1.0 Min
5	Potassium (%)	1.0 Min
6	Sand Silica (%)	2.0 Max
7	Caloric Value (CV)	4000 - 4200
8	Protein (%) (For High Protein Meal Only)	50 Min

### Packing:

- 30 - 50 kg PP Bag
- Loose in 20 feet container
- Customized packing is available

#### Registered Office:

01, Yamuna Industrial Estate  
2, Near Chirag Estate,  
CTM, Ahmedabad-380026  
Gujarat, India.

#### Factory:

Survey No. 2/P1,  
Jarwala Dasada, Patdi-382765,  
Gujarat, India.

