



## CAS 8001-79-4 Pharmaceutical Excipients Castor Oil For Hair

Our Product Introduction

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### Basic Information

- Place of Origin: China
- Brand Name: Hongbaiyi
- Certification: COA, HPLC
- Model Number: HB-Y-Castor Oil
- Minimum Order Quantity: 1 kg
- Price: Negotiable
- Packaging Details: 20kg/bag, also can be packed according to customer's agreement.
- Delivery Time: 3~5 days, upon receipt of payment
- Payment Terms: T/T, Western Union, MoneyGram
- Supply Ability: 3000 Kilograms



### Product Specification

- Product Name: Castor Oil
- Source: Vegetable Pressed From Castor Beans (Ricinus Communis)
- CAS NO.: 8001-79-4
- Appearance: Colourless Or Pale Yellow Viscous Liquid With A Mild Odor And Taste
- Chemical Composition: Made Up Of Triglycerides, With About 90% Of The Fatty Acids Being Ricinoleic Acid, A Unique Hydroxy Fatty Acid
- Boiling Point: 313 °C (595 °F)
- Density: 0.961 G/cm<sup>3</sup>
- Solubility: Insoluble In Water, Soluble In Alcohol
- Highlight: **Pharmaceutical Excipients Castor Oil, CAS 8001-79-4 Castor Oil, Castor Oil For Hair**



### More Images



### Product Description

**Product name:** Castor Oil

**Cas NO.:** 8001-79-4

Castor oil is a vegetable oil extracted from the seeds of the *Ricinus communis* plant. It's a clear to pale yellow liquid with a distinct taste and odor. Castor oil has been used for medicinal purposes for centuries, and it's also used in a variety of industrial applications.

<b>Product Category</b>	Pharmaceutical Excipients
<b>English Name</b>	Castor Oil
<b>Other Names</b>	Virgin castor oil, CASTOR OIL, REFINED, Castor Oil, EmCon CO, Lipovol CO, oleum ricini, ricinoleum, Ricinus communis, ricinus oil, Ricinus oil
<b>CAS No</b>	8001-79-4
<b>MW</b>	This product is a triglyceride of fatty acids. The composition of the fatty acids is approximately ricinoleic acid (87%), oleic acid (7%), linoleic acid (3%), palmitic acid (2%) stearic acid (1%), and traces of dihydroxy stearic acid.
<b>Formula</b>	C57H104O9
<b>Category</b>	Solvent; Oily Substrate
<b>Applications</b>	This product is widely used in cosmetics, food, and drugs. It is used as an emollient in cosmetics; used as a greasy base in topical drugs; and also as a solvent for oral tablets, capsules, and intramuscular injection; clinically used orally, it has an anti diarrheal effect, but this method has been outdated.
<b>Routes of administration</b>	Oral, intramuscular, and topical administration.
<b>Storage conditions</b>	After heating at 300°C for several hours, the castor oil molecules polymerize and the polymer dissolves in the mineral oil. Or cooling to 0°C the viscosity increases. The product should be stored under 25°C in a sealed container protected from light.
<b>Safety</b>	As an excipient in cosmetics, food, and oral, injectable, or locally administered preparations, it is usually considered to be relatively non-toxic and non-irritating; when used as an anti-diarrheal agent in large quantities orally in the clinic, it can produce nausea, vomiting, acute abdominal pain, and severe diarrhea, and should not be used in the case of gastrointestinal obstruction. Although this product is widely used in topical drug delivery preparations such as ophthalmic preparations or cosmetics such as lipstick, it has been reported that this product can cause allergic dermatitis. Short-term exposure to this product irritates the gastrointestinal tract; repeated or prolonged contact with the skin can result in dermatitis.
<b>Contraindication</b>	It is contraindicated with strong oxidizers.
<b>Source</b>	This product is a fatty oil obtained from the mature seeds of castor ( <i>Euphorbiaceae</i> ) by cold pressing and should have no additives.
<b>Use</b>	Capsules and tablets for oral use; creams, emulsions, ointments, and solutions for topical use.

#### Quality Standard:

Specifications	
Specific Gravity Range at 25°C According to United States Pharmacopeia (USP) Test Method	0.957 to 0.961
Iodine Value Range According to United States Pharmacopeia (USP) Test Method	83 to 88
Saponification Value Range According to United States Pharmacopeia (USP) Test Method	176 to 182
Free Fatty Acids Value for 0.10 Normal Sodium Hydroxide (NaOH) According to United States Pharmacopeia (USP) Test Method	<3.5 mL
Maximum Method 2 Heavy Metals Value According to United States Pharmacopeia (USP) Test Method	0.001 %
Hydroxyl Value Range According to United States Pharmacopeia (USP) Test Method	160 to 168
Distinction from Most Other Fixed Oils According to United States Pharmacopeia (USP) Test Method	Passes
Maximum Color Gardner According to American Oil Chemists Society (AOCS) Td Ia-64 Test Method	3
Appearance	Characteristically clear and free
Odor	Slight Characteristic
Typical Fatty Acid Composition Value Range for C16:0 Lipid Number	0.8 to 1.8 %
Typical Fatty Acid Composition Value Range for C18:0 Lipid Number	0.8 to 2.0 %
Typical Fatty Acid Composition Value Range for C18:1 Lipid Number	3.0 to 6.0 %
Typical Fatty Acid Composition Value Range for C18:2 Lipid Number	3.5 to 6.8 %
Typical Fatty Acid Composition Value Range for Ricinoleic	82 to 95 %

#### Castor oil is an industrial raw material:

Today, castor oil is used in plastics, textiles, paints, cosmetics, and many inks and industrial adhesives. Castor oil is increasingly used in industry. It is mainly used in the manufacture of decorative artificial leather. It provides pigment for butter, from which so-called "Turkish red" oil is produced for the dyeing of cotton fabrics. It is an important ingredient in the manufacture of certain artificial rubbers, various kinds of celluloid, and certain waterproof preparations, the greatest use of which is in the manufacture of transparent soap. It also furnishes sebacic acid for the manufacture of candles and caprylic acid for varnishes.

#### Castor Oil for Cosmetic and Medical Purposes:

When used in cosmetics, castor oil acts as a humectant; it attracts and retains moisture in the skin. Castor oil is commonly used in lipsticks. It is also a thickening agent and emollient. Castor oil is considered one of the most valuable laxatives in medicine.


#### Castor oil is used in the manufacture of soap:

Castor oil makes clean, light-colored soap that dries and hardens well and has no odor.



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