



## CAS 8008-74-0 Pharmaceutical Excipients Benne Oil Golden Yellow Oily Liquid

Our Product Introduction

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### Basic Information

- Place of Origin: China
- Brand Name: Hongbaiyi
- Certification: COA, HPLC
- Model Number: HBYSesame Oil
- Minimum Order Quantity: 1kg
- 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: Sesame Oil
- Source: Extracted From Sesame Seeds
- CAS NO.: 8008-74-0
- Appearance: Bright And Clear Oily Liquid Golden Yellow
- Odor: Nutty Aroma
- Taste: Neutral To Nutty Flavor
- Fat Content: Around 85% (mostly Unsaturated Fatty Acids Like Oleic And Linoleic Acid)
- Smoke Point: Around 350°F (177°C) For Untoasted Sesame Oil And 525°F (274°C) For Toasted Sesame Oil
- Highlight: **Benne Oil Pharmaceutical Excipients, CAS 8008-74-0 Pharmaceutical Excipients, Golden Yellow Benne Oil**



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### Product Description

**Product name:** Sesame Oil

**Cas NO.:** 8008-74-0

Sesame oil is an edible vegetable oil derived from sesame seeds. Sesame oil is one of the earliest-known crop-based oils. It is used in many cuisines, including East and South Asian, Middle Eastern, and African cuisines. Sesame oil is a versatile ingredient that can be used for cooking, salad dressings, and marinades.

<b>Product category</b>	Pharmaceutical Excipients
<b>Name</b>	Sesame Oil
<b>Chinese Name</b>	Ma you
<b>English Name</b>	Sesame Oil
<b>Chemical Name</b>	Sesame oil
<b>CAS No.</b>	8008-74-0
<b>Molecular Formula</b>	Typical analysis of refined sesame oil shows that it is composed of acids in the form of glycerides, which are: arachidonic acid 0.8%; linoleic acid 40.4%; oleic acid 45.4%; palmitic acid 9.1%; and stearic acid 4.3%. Sesame oil, a complex cyclic ether, also contains small amounts of sesamol (glycoside). Note: Other analytical reports may differ slightly from the data listed above. The description of Sesame Oil in USPNF 20 and the entry for Refined Sesame Oil in PhEur 2002 detail 8 triglycerides in Sesame Oil.
<b>Category</b>	Carrier for oil-soluble substances; solvent
<b>Applications</b>	The main use of sesame oil in pharmaceutical preparations is as a solvent for extended-release intramuscular injections of steroidal drugs, e.g., estradiol valerate, hydroxyprogesterone caproate, testosterone enanthate, and droxolone decanoate. Or other oil-soluble drugs, e.g., endocannabinoid decanoate or fluphenazine heptanoate. The elimination half-life of sesame oil from the injection site has been reported to be 23 days after intramuscular or intravenous administration to pigs. Sesame oil can be used in subcutaneous preparations, oral capsules, rectal suppositories, and ophthalmic preparations; it can also be used in suspensions and emulsions. Sesame oil is used as the oil phase in the compounded emulsion formulation of rifampicin, which can be used as a sustained-release system; microemulsions containing sesame oil can be used as a delivery system for ketoprofen. Sesame oil can also be used in the preparation of rubs, pastes, ointments, and soaps. Recently, sesame paste (fahini) containing ground sesame seeds mixed with sesame oil has been investigated as a new type of suspending agent. Sesame oil can be used as an edible oil as well as in the manufacture of margarine.
<b>Storage conditions</b>	Sesame oil is more stable and less rancid than most other fatty oils; this is due to the presence of antioxidants in its unique composition. PhEur 2001 allows the addition of suitable antioxidants to sesame oil. Sesame oil can be sterilized by aseptic filtration or dry heat. It has been reported that suitable sterilization conditions for injections containing sesame oil are 170°C for 2 hours; 150°C for 1 hour is not suitable (15). However, dry heat sterilization at 150°C for 1 h has been shown to kill <i>Bacillus subtilis</i> spores. Sesame oil should be stored in a full, airtight container protected from light at a temperature not exceeding 40°C. Sesame oil used in the preparation of injections should be stored in a gas-tight glass container filled with inert gas.
<b>Contraindication</b>	Sesame oil can be saponified by alkaline hydroxides.
<b>Source</b>	Sesame oil is obtained from the mature seeds of one or more cultivars of sesame, <i>Sesamum indicum</i> Linné (Fam. Pedaliaceae) by pressing in a hydraulic press or by solvent extraction. The resulting crude oil is then refined to obtain sesame oil suitable for medicinal use. Further refining improves the odor and color of the oil.
<b>Management Situation</b>	Included in the FDA Guide to Inactive Ingredients (intramuscular and dermal injections, oral capsules, emulsions, and tablets, and topical preparations). Sesame oil is licensed in the United Kingdom for use in injectable (intramuscular) and gastrointestinal (oral capsules and sprays) preparations.

#### Quality Standard:

Specific Gravity Range at 25°C According to United States Pharmacopeia (USP) Test Method	0.916 to 0.921
Iodine Value Range According to United States Pharmacopeia (USP) Test Method	103 to 116
Saponification Value Range According to United States Pharmacopeia (USP) Test Method	188 to 195
Free Fatty Acids Value for 0.02 Normal Sodium Hydroxide (NaOH) According to United States Pharmacopeia (USP) Test Method	<2.0 mL
Cottonseed Oil Availability According to United States Pharmacopeia (USP) Test Method	Absent
Unsaponifiable Matter Value According to United States Pharmacopeia (USP) Test Method	<1.5 %
Solidification Value Range of Fatty Acids According to United States Pharmacopeia (USP) Test Method	20 to 25 °
Method 2 Heavy Metals Value According to United States Pharmacopeia (USP) Test Method	<0.001 %
Residual Solvents According to United States Pharmacopeia (USP) Test Method	Meets Requirements
Triglyceride Value Range of LLL Type	7.0 to 9.0 %
Triglyceride Value Range of OLL Type	13.0 to 30.0 %
Triglyceride Value Range of PLL Type	5.0 to 9.0 %
Triglyceride Value Range of OOL Type	14.0 to 25.0 %

Triglyceride Value Range of POL Type	8.0 to 16.0 %
Triglyceride Value Range of OOO Type	5.0 to 14.0 %
Triglyceride Value Range of SOL Type	2.0 to 8.0 %
Triglyceride Value Range of POO Type	2.0 to 8.0 %
Typical Fatty Acid Composition Value for C14:0 Lipid Number	<0.5 %
Typical Fatty Acid Composition Value Range for C16:0 Lipid Number	7 to 12 %
Typical Fatty Acid Composition Value for C16:1 Lipid Number	<0.5 %
Typical Fatty Acid Composition Value Range for C18:0 Lipid Number	3.5 to 6 %
Typical Fatty Acid Composition Value Range for C18:1 Lipid Number	35 to 50 %
Typical Fatty Acid Composition Value Range for C18:2 Lipid Number	35 to 50 %
Typical Fatty Acid Composition Value for C18:3 Lipid Number	<1.0 %
Typical Fatty Acid Composition Value for C20:0 Lipid Number	<1.0 %
Typical Fatty Acid Composition Value for C20:1 Lipid Number	<0.5 %
Typical Fatty Acid Composition Value for C22:0 Lipid Number	<0.5 %
Maximum Peroxide Value According to United States Pharmacopeia (USP) Test Method	10
Maximum Color Gardner According to American Oil Chemists Society (AOCS) Td Ia-64 Test Method	4
Appearance	Bright and clear oily liquid Golden Yellow
Odor	Almost Odorless Bland

**Sesame oil has a wide variety of applications, both culinary and topical. Here's a breakdown:**

**Culinary Uses:**

**Cooking Oil:** Sesame oil has a high smoke point, making it suitable for stir-frying, sauteing, and even deep-frying.

**Salad Dressings:** A drizzle of sesame oil adds a nutty flavor and aroma to salad dressings.

**Marinades:** Sesame oil can be used to marinate meat, fish, and vegetables, infusing them with its nutty flavor.

**Finishing Oil:** A touch of sesame oil drizzled over a finished dish can add a touch of richness and complexity.

**Dipping Sauces:** Sesame oil is a common ingredient in dipping sauces for dumplings, spring rolls, and other Asian dishes.



**Shaanxi Hongbaiyi Biotech Co., Ltd.**



18192109180



tracy@sxhongbaiyi.com



peptide-powder.com

Hengjia Business Building, No.115 Weiyang Road, E&T Development Zone, Xi'an, Shaanxi, China.