



Technical Data Sheet (TDS)

Pharma Grade Liquid Paraffin

Product Identification

| Parameter | Details |
|-----------------|---|
| Product Name | Pharma Grade Liquid Paraffin |
| Synonyms | Pharmaceutical Grade Liquid Paraffin, Pharma White Oil, Pharmaceutical White Oil, White Mineral Oil Pharma Grade, Paraffinum Liquidum |
| CAS Number | 8012-95-1 |
| Chemical Family | Highly Refined Mineral Oil |
| Product Type | Pharmaceutical Excipient / Purified Hydrocarbon Oil |
| Grade | USP / BP / EP Grade |
| Appearance | Clear, Colorless Oily Liquid |
| Odor | Odorless |
| Origin | Petroleum Derived – Highly Refined |

Product Description

Pharma Grade Liquid Paraffin is a highly refined, purified, and stabilized white mineral oil manufactured for pharmaceutical, cosmetic, personal care, and healthcare applications. The product complies with international pharmacopeial standards including USP and BP specifications.

The material offers excellent purity, chemical stability, low toxicity, and outstanding lubricating and moisturizing properties. Therefore, manufacturers widely use it in pharmaceutical formulations, cosmetic products, ointments, creams, lotions, oral formulations, and medical applications.

Additionally, the product demonstrates excellent oxidation resistance and long-term storage stability.



Key Features

- Highly refined pharmaceutical white oil
- USP/BP compliant quality
- Colorless and odorless
- Excellent chemical stability
- Low aromatic hydrocarbon content
- Non-toxic mineral oil
- Suitable for pharmaceutical formulations
- Excellent emollient and lubrication properties
- High purity and low sulfur content
- Smooth texture and superior moisture barrier performance

Typical Specifications

| Test Parameter | Specification |
|-------------------------|----------------------------|
| Appearance | Clear & Bright Oily Liquid |
| Color | Water White |
| Odor | Odorless |
| Specific Gravity @ 25°C | 0.820 – 0.890 |
| Viscosity @ 40°C | Depending on grade |
| Refractive Index @ 20°C | 1.460 – 1.480 |
| Flash Point | Min. 160°C |
| Pour Point | Below -6°C |
| Acid Value | Max. 0.05 mg KOH/g |
| Water Content | Nil |
| Sulfur Content | Passes USP/BP |
| UV Absorbance | Passes USP/BP |
| Polycyclic Aromatics | Passes USP/BP |
| Purity | Pharmaceutical Grade |
| Solubility | Insoluble in Water |
| Stability | Excellent |
| Shelf Life | 24–60 Months |

Specifications may vary depending on viscosity grade and customer requirements.



Available Grades

Light Liquid Paraffin

Applications:

- Oral pharmaceutical formulations
- Cosmetic oils
- Syrups
- Hair oils
- Baby oils
- Skin lotions

Typical Characteristics:

- Lower viscosity
- Better flowability
- Smooth texture

Heavy Liquid Paraffin

Applications:

- Ointments
- Barrier creams
- Medical lubricants
- Protective formulations
- Thick emulsions

Typical Characteristics:

- Higher viscosity
- Enhanced film formation
- Better moisture barrier



Applications

Pharmaceutical Applications

Pharma Grade Liquid Paraffin functions as an important pharmaceutical excipient in:

- Ointments
- Creams
- Topical formulations
- Oral laxative formulations
- Capsule manufacturing
- Medical lubricants
- Pharmaceutical processing

Additionally, the product improves texture, spreadability, and formulation stability.

Cosmetic & Personal Care Applications

Manufacturers use Pharmaceutical White Oil in:

- Baby oils
- Moisturizers
- Skin creams
- Hair care products
- Makeup removers
- Body lotions
- Lip care formulations

Moreover, the product provides excellent emollient and moisturizing effects.

Industrial Healthcare Applications

The product also supports:

- Medical device lubrication
- Healthcare processing
- Specialty industrial formulations
- Veterinary products



Compliance Standards

This product can be supplied according to:

- USP (United States Pharmacopeia)
- BP (British Pharmacopoeia)
- EP (European Pharmacopoeia)
- FDA compliant standards
- GMP manufacturing requirements
- ISO quality management systems

Certificates available upon request:

- COA (Certificate of Analysis)
- MSDS/SDS
- GMP Certificate
- Halal Certificate
- Kosher Certificate

Packaging Options

| Packaging Type | Net Weight |
|----------------|-------------|
| HDPE Drum | 25 kg |
| HDPE Drum | 50 kg |
| Steel Drum | 180 kg |
| IBC Tank | 1000 L |
| ISO Tank | Bulk Supply |
| Flexitank | Bulk Export |

Custom packaging options are available based on customer requirements.

Storage Recommendations

- Store in tightly closed containers
- Keep in cool, dry, and well-ventilated areas
- Protect from direct sunlight
- Avoid contamination during handling
- Keep away from strong oxidizing agents



Recommended Storage Temperature:
5°C – 35°C

Shelf Life

Under recommended storage conditions, the product maintains stability for:
24 to 60 months from manufacturing date.

Handling Information

- Use proper industrial hygiene practices
- Avoid contamination during transfer
- Use clean storage equipment
- Follow applicable pharmaceutical handling procedures

Advantages of Our Pharma Grade Liquid Paraffin

- Consistent pharmaceutical quality
- Reliable global supply capability
- Strict quality control testing
- Excellent batch consistency
- International export support
- Technical formulation assistance
- Competitive bulk pricing
- Fast documentation support



Quality Assurance

Every batch undergoes strict laboratory testing for:

- Appearance
- Purity
- Viscosity
- UV absorbance
- Density
- Stability
- Compliance verification

Therefore, customers receive reliable and consistent pharmaceutical-grade material.