

SPECIFICATION

Product Name: Heavy Liquid Paraffin Oil IP Grade
Chemical Formula: N/A
CAS Number: 8012-95-1
Molecular Weight: N/A
Appearance: Colourless transparent oily liquid
Odor: Odorless

Chemical Composition

Parameter	Unit	Typical Value	Specification (Min/Max.)
Identification	-	Complies	Complies Viscosity test
Acidity Of Alkalinity	-	Complies	NMT 0.1 ml of 0.1 M Sodium Hydroxide Is required To Change the Color of the Indicator to Pink
Relative Density	-	0.854 (At 20 C)	0.827 To 0.890
Viscosity	-	183.48 (At 20 C)	110mpa to 230 mpa
Polycyclic Aromatic Hydrocarbon	-	Complies	The Absorbance of the Test Solution Exceed One- Third That Of the reference Solution At 275 nm
Readily Carbonisable Substance	-	Complies	The Lower Layer Is Not More Intensely Coloured then A mixture Of Primary Solution
Solid Paraffins	-	Complies	To be Easily Seen Against A White Background Held Vertically behind the Tube

Physical Properties

- Solubility: Insoluble in water. Insoluble in ethanol. Insoluble in glycerol. Soluble in ether.
Soluble in mineral oils. Insoluble in acetone.

Shelf Life & Storage

- Shelf Life: 3 years from date of manufacture under recommended storage.
- Storage Conditions: Store Heavy Liquid Paraffin Oil IP Grade in a cool, dry, and well-ventilated area, preferably at 15–30°C. Keep the container tightly closed and protect the product from direct sunlight, excessive heat, moisture, dust, and contamination. Keep away from strong oxidizing agents and incompatible materials. Use clean, dry equipment during handling and reseal the container immediately after use to maintain the product's purity, stability, and quality throughout its shelf life.

Applications

- Use: Widely used in the pharmaceutical, cosmetic, personal care, and healthcare industries as an emollient, lubricant, protective agent, and formulation aid. It is commonly used in ointments, creams, lotions, balms, topical preparations, skin-care products, and pharmaceutical formulations to provide lubrication, smoothness, and protective properties. It may also be used as a vehicle and processing aid in suitable pharmaceutical and cosmetic formulations where a highly purified mineral oil is required. Its use should comply with the applicable Indian Pharmacopoeia (IP) requirements and relevant formulation guidelines.
- Dosage: Heavy Liquid Paraffin Oil IP Grade is generally used as a pharmaceutical excipient rather than as an active ingredient. The typical formulation usage level is 1–30% w/w in topical creams, ointments, lotions, and related preparations.

Packaging

- Standard Packing: 210 Liter HDPE Drum or as per customer requirement.
 - Labeling: Product name, batch number, net weight, manufacture date, expiry date, and manufacturer details.
- * Specifications are based on the manufacturer's provided specifications.