

SPECIFICATION

Product Name: Light Liquid Paraffin IP Grade
Chemical Formula: N/A
CAS Number: 8012-95-1
Molecular Weight: 200 to 500 g/mol
Appearance: A transparent colourless oily liquid
Odor: Odorless

Chemical Composition

Parameter	Unit	Typical Value	Specification (Min/Max.)
Dynamic Viscosity at 20°C	mPass	28.00	25 – 80
Wt/ml at 25°C	g/ml	0.8295	0.820 - 0.880
Destiny at 29.5, °C	g/ml	0.8270	To report
Light absorption between 240 – 280 nm of 2% solution in isooctane, in cm cell.	-	0.037	Max. 0.1
Acidity/ Alkalinity	-	Complies	The solution is colourless and NMT 0.1 ml of 0.1 M NaOH is required to change the colour the solution to the pink.
Readily Carbonisable substances	-	Complies	The lower acid layer is not more intensely coloured than a standard solution.
Sulphur compounds	-	Complies	The mixture remain colourless
Solid paraffins	-	Complies	The sample is sufficiently clear that a black line of 0.5 mm in width, held vertically behind the vessel is easily seen.

Physical Properties

- Solubility: Insoluble in water. Insoluble in ethanol. Soluble in ether. Soluble in chloroform. Insoluble in glycerin. Insoluble in propylene glycol.

Shelf Life & Storage

- Shelf Life: 3 years from date of manufacture under recommended storage.
- Storage Conditions: Store Light Liquid Paraffin IP Grade in a cool, dry, and well-ventilated place, preferably at 15–30°C. Protect from direct sunlight, excessive heat, moisture, and contamination. Keep the container tightly closed in the original, properly labeled container. Store away from strong oxidizing agents, open flames, sparks, and incompatible materials. Use clean, dry dispensing equipment to maintain the product's purity, clarity, stability, and compliance with IP quality standards.

Applications

- Use: Widely used in pharmaceutical, cosmetic, personal care, and healthcare formulations as an emollient, lubricant, vehicle, carrier, and processing aid. It is commonly incorporated into oral liquid preparations, ointments, creams, lotions, gels, liquid paraffin emulsions, and topical formulations. It is also used as a lubricant in capsule manufacturing, a moisturizing agent in skin-care products, and as a processing aid in pharmaceutical manufacturing. In pharmaceutical applications, it may also be used as a lubricant laxative in formulations intended for the temporary relief of constipation, when formulated and administered according to applicable pharmacopeial standards and medical guidance.
- Dosage: Depends on the intended pharmaceutical or cosmetic application.

Packaging

- Standard Packing: 210 Liter Plastic 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.