

## Mineral Oil

### (NLP-70)

#### ➤ Product Description

Paraffin oil, also known as mineral oil, is a colorless and odorless liquid derived from petroleum. Its unique molecular structure gives it remarkable emollient properties, allowing it to form a protective barrier on the skin's surface, sealing in moisture and preventing water loss.

#### ➤ Application

cosmetics

#### ➤ Characteristics

No	CHARACTERISTIC	ACCEPTED LIMIT	
1	Description BP 2022	Colorless, transparent, oily liquid; free from fluorescence by daylight	
2	Solubility BP 2022	Practically insoluble in water; slightly soluble in ethanol (96%); miscible with hydrocarbons	
3	Identification BP 2022	A) Infrared absorption spectrum is concordant with reference spectrum of liquid paraffin B) Red in aqueous phase C) Complies with viscosity test	
4	Odor	Odorless	-
5	Kinematic Viscosity @40 °C ASTM D-445	15-25	cSt
6	Color (saybolt) ASTM D-156	> +30	
7	Density @25 °C ASTM D-1298	0.8-0.9	g/cm <sup>3</sup>
8	Flash Point ASTM D-92	Min 180	°C
9	Pour Point ASTM D-97	0 - +6	°C
10	Acidity or Alkalinity BP 2022	< 0.1 ml of 0.1 M sodium hydroxide is required	
11	Readily Carbonizable Substance BP 2022	Lower layer remains lighter colored than standard solution	
12	Polycyclic Aromatic Hydrocarbons BP 2022	Absorbance of test solution remains < 1/3rd that of reference solution at 275 nm, throughout 260 – 420 nm wavelengths	
13	Solid Paraffin BP 2022	0.5 mm wide black line is visible against a white background held vertically behind the tube	
14	Sulphur Compounds USP 2017	Does not turn dark brown	

#### ➤ Packing

175 kg HDPE drums and/or IBC/flexi bag

#### ➤ Storage

Keep container tightly close in dry place and out of the sun