

Technical Data Sheet

Light Mineral Oil

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