

HEAVY LIQUID PARAFFIN

Divyol Heavy Liquid Paraffin Oils are produced from highly refined hydro-cracked / hydro-treated base oil with a high degree of purity to meet IP / BP / USP standards. They have excellent oxidation / UV stability and are suitable for application in pharmaceuticals, cosmetics and food industries for direct and indirect food contact.

Sr. No.	Characteristics	As per IP standards	As per BP standards	As per USP standards
1	Description	Colourless, transparent, oily liquid; free from fluorescence by daylight; almost odourless when cold	Colourless, transparent, oily liquid; free from fluorescence by daylight	Colourless, transparent, oily liquid; free or practically free from fluorescence; odourless and tasteless when cold; emits very faint odour of petroleum when heated
2	Solubility	Complies (practically insoluble in water)	Practically insoluble in water; slightly soluble in ethanol (96%); miscible with hydrocarbons	Insoluble in water and in alcohol; soluble in volatile oils; miscible with most fixed oils except castor oil
3	Identification	–	A) Infrared absorption spectrum is concordant with reference spectrum of liquid paraffin B) Red in aqueous phase C) Complies with viscosity test	A) Infrared absorption spectrum is concordant with the IR spectrum obtained from mineral oil reference standard / working standard B) – C) Complies with viscosity test
4	Specific gravity	–	–	0.845 – 0.905
5	Acidity / alkalinity	Complies	< 0.1 ml of 0.1 M sodium hydroxide is required	< 1.0 ml of 0.01 N sodium hydroxide is required
6	Dynamic viscosity at 20 °C	110 - 230 mPa-s	–	–
7	Dynamic viscosity	–	110 – 230 mPa-s	–
8	Viscosity	–	–	34.5 – 150.0 cSt
9	Relative density at 25 °C	–	0.827 – 0.890	–
10	Light absorption at 240 – 280 nm	0.10 max.	–	–
11	Readily carbonisable substance	Lower layer remains lighter coloured than standard solution	Lower layer remains lighter coloured than standard solution	The oil may turn hazy but remains colorless, or turns slightly pink or yellow; the acid does not become darker than standard solution
12	Solid paraffins	0.5 mm line visible	0.5 mm wide black line is visible against a white background held vertically behind the tube	0.5 mm wide black line is visible against a white background held vertically behind the bottle
13	Sulphur compounds	Complies	–	Does not turn dark brown
14	Polycyclic aromatic hydrocarbons	N. A.	Absorbance of test solution remains < 1/3rd that of reference solution at 275 nm, throughout 260 – 420 nm wavelengths	Absorbance of sample solution remains < 1/3rd that of standard solution at 275 nm throughout the range of 260 – 350 nm
15	Residual solvents	Complies	Complies	–

Disclaimer: Gandhar makes no warranties, representation or conditions of any kind expressed or implied for use with respect to these products. Final determination of the product's suitability for the application contemplated by the users is solely their responsibility.