

Heavy Liquid Paraffin

DIVYOL Heavy Liquid Paraffin Oils produced from severely refined hydro cracked / hydro treated base oil with high degree of purity to meet IP / BP / USP specifications have excellent oxidation / UV stability. These oils are suitable for Pharmaceutical, Cosmetics and Food Industries for Direct & Indirect Food Contact.

Divyol HLP is manufactured as per IP/BP & USP standard specification.

SR. NO.	CHARACTERISTICS	AS PER IP STANDARD	AS PER BP STANDARD	AS PER USP STANDARD
1	DESCRIPTION	Transparent, colourless, oily liquid, free from fluorescence by daylight, almost odourless in cold	Colourless, transparent, oily liquid, free from fluorescence in daylight	Colourless, transparent, oily liquid, free or practically free from fluorescence. It is odourless and tasteless when cold and develops not more than a faint odour of petroleum when heated.
2	SOLUBILITY	Complies test (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 but not with castor oil
3	IDENTIFICATION	-	A) The infrared absorption spectrum of the sample should be concordant with the reference spectrum of liquid paraffin	A) The Infrared absorption spectrum of the sample should be concordant with the IR spectrum obtained from mineral oil reference standard/working standard.
			B) The aqueous phase should become red	B) Should comply with the test of viscosity.
			C) It should comply with the test of viscosity	
4	SPECIFIC GRAVITY	-	-	Between 0.845 and 0.905
5	ACIDITY/ ALKALINITY	COMPLIES TEST	Not more than 0.1 ml of 0.1 M sodium hydroxide should be required.	Not more than 1.0ml of 0.01N sodium hydroxide is required.
6	DYNAMIC VISCOSITY @20°C	110 TO 230 MPAS	-	-
7	DYNAMIC VISCOSITY	-	Between 110 mPa.s and 230 mPa.s.	-
8	VISCOSITY	-	-	Between 34.5mm ² .s ⁻¹ and 150.0 mm ² .s ⁻¹
9	RELATIVE DENSITY @ 25°C	0.827 TO 0.890	Between 0.827 and 0.890.	-
10	LIGHT ABSORPTION @240-280nm	0.10 MAX	-	-
11	READILY CARBONISABLE SUBSTANCE	The lower layer should not be more intensely coloured than standard solution.	The lower layer should not be more intensely coloured than standard solution.	The oil may turn hazy but should remain colorless, or shows a slight pink or yellow color and the acid should not become darker than the standard solution.
12	SOLID PARAFFINS	0.5MM Line Visible	The black line, 0.5 mm wide, should be easily seen against a white background held vertically behind the tube.	The black line, 0.5 mm wide, to be easily seen against a white background held vertically behind the bottle.
13	SULPHUR COMPOUNDS	Complies Test		Dark brown color should not develop.
14	POLYCYCLIC AROMATIC HYDROCARBONS	To comply the test	At no wavelength between 260 and 420 nm the absorbance of test solution exceeds one third that of the absorbance of reference solution at 275 nm.	The absorbance of sample solution at any wavelength in the range 260 to 350 nm should not be more than one third of the absorbance of standard solution at 275 nm.
15	RESIDUAL SOLVENTS	To comply the test	To comply the test	-

(Revision # 01 dated 19th June,2018)

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