

## DIFFERENT GRADES OF PHARMACEUTICAL GRADE (PX) WHITE MINERAL OIL

Sr. no.	Parameters	Test Method	Specification									
			Light grades					Heavy grades				
			PX – 10	PX – 15	PX – 20	PX – 25	PX – 30	PX – 40	PX – 50	PX – 60	PX – 70	PX – 80
1	Appearance	Visual	A colourless, transparent, oily liquid, free from fluorescence by daylight									
2	Characteristics	--	Bright and clear, tasteless. Stable to light and oxidation. No aromatic content.									
3	Colour Saybolt	ASTM D 156	+30	+30	+30	+30	+30	+30	+30	+30	+30	+30
4	Infrared absorption	BP / USP	Matches with std. spectrum									
5	Solubility	USP	Practically insoluble in water and in alcohol; soluble in volatile oils, chloroform, solvent ether. Miscible with most fixed oils but not with castor oil.									
6	Specific gravity at 25 °C	USP	0.800 – 0.835	0.810 – 0.840	0.820 – 0.845	0.823 – 0.848	0.828 – 0.855	0.830 – 0.865	0.835 – 0.870	0.840 – 0.875	0.845 – 0.880	0.845 – 0.880
7	Kinematic Viscosity at 40 °C, cst	ASTM D 445	6 – 12	12 – 17	18 – 23	23 – 27	27 – 34	36 – 44	46 – 54	56 – 64	66 – 74	76 – 85
8	Light absorption (240 – 280 nm)	Indian Ph.	Not more than 0.1									
9	Flash point, °C	ASTM D 92	Min. 150	Min. 160	Min. 170	Min. 175	Min. 180	Min. 190	Min. 195	Min. 200	Min. 210	Min. 220
10	Polycyclic aromatic hydrocarbons	BP / USP	Complies as per United States / British / European Pharmacopoeia									
11	Readily carbonizable substances	BP / USP	Complies as per United States / British / European Pharmacopoeia									
12	Sulphur compounds	USP	Complies as per United States Pharmacopoeia									
13	Solid Paraffins	BP / USP	Complies as per United States / British / European Pharmacopoeia									
14	Identification	BP / Ph. Eur.	Complies as per British / European Pharmacopoeia									
15	21 CFR 172.878	21 CFR 172.878	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
16	21 CFR 178.3620(a)	21 CFR 178.3620(a)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
17	USP compliance	USP	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
18	BP compliance	BP	✗	✗*	✓	✓	✓	✓	✓	✓	✓	✓
19	Ph. Eur. Compliance	Ph. Eur.	✗	✗*	✓	✓	✓	✓	✓	✓	✓	✓

\* - This product can be made complying to BP and Ph. Eur. on request  
 Pharmaceutical compliances available: IP, BP, USP, Ph. Eur., JP