

Pharma Grade Hexane Production at Manali Refinery

Specification of Hexane, Pharma Grade

Sl. No.	Characteristics	Method	Specification
1	Aromatics, ppm wt.	ASTM D 6730	Max. 10
2	Benzene, ppm wt.	ASTM D 6730	Max. 3
3	n-Hexane, wt%	ASTM D 6730	Min. 44.0
4	Distillation :	ASTMD 86	
	Initial Boiling Point, °C		Min. 64
	Dry Point °C		Min. 70
	Distillation between 64 to 70°C % Vol.		Min. 98.5
5	Non-Volatile matter	IS : 3470 Annex A	Max. 0.0005
6	Sulphur	ASTM D 5453	Max. 2
7	Density @ 20°C	ASTM D 4052	0.6600 – 0.6870
8	Refractive Index @ 20 °C	ASTM D 1218	1.375 – 1.384
9	Reaction of non volatile residue	IS : 3470 Annex B	Neutral to methyl orange
10	Poly-cyclic Aromatic Hydrocarbons	IS : 3470 Annex F	To pass the test
11	Cu Corrosion test, 3 hrs @ 50 °C	IS 1448 P : 15	Not more than No.1