

HEXANE

Hexane is a colourless solvent. This product is essentially designed for use as a solvent in extraction of vegetable oils such as cotton seed, groundnut, mustard, rape seed, etc. It is also used for extraction of essential oils from flowers.

It is also used in the preparation of rubber adhesives, can sealing compounds and as a fuel in gas generation plants.

**THE FOLLOWING SPECIFICATION OF HEXANE CONFORMS TO IS 3470:1966
(REAFFIRMED 2000 & AMENDMENT NO.2).**

Sr. no.	Characteristics	Test Method IS:1448	Requirements
i)	Distillation a. Initial Boiling Point, °c, min. b. Dry Point, °c, max. c. Temperature range of final 10%, °c, max.	P: 18 (Method B)	63 70 2
ii)	Composition: a. Aromatics, % V, max. b. Saturates, % V, min.	P: 63* P: 23	1.0 98.5
iii)	Density at 25 °c, max.	IP 59/57-Determination of density given in Appendix of standard P: 32	0.687
iv)	Colour (Saybolt), min.	P: 14	+30
v)	Sulphur Content, ppm, max.	ASTMD D 1266-64T & IP 107-65-Determination of sulphur given in Appendix 'B' of the standard	75
vi)	Copper strip corrosion, 3 hrs. at 50 °c, max.	P: 15 (Method c)	1
vii)	Doctor Test	P: 19	Negative
viii)	Lead, g/l, max.	ASTM D 1368-62 T-Determination of lead given in Appendix 'C' of the standard	0.0005
ix)	Phosphates, ppm., max.	P: 54	20
x)	Chlorides (as cl), ppm, max.	Determination of chlorides as per Appendix D of the standard	20
xi)	Bromine Number, max.	P: 44	1
xii)	Non-volatile residue, g/100 ml., max.	ASTM D 1353-56 given in Appendix 'E' of the standard	0.001
xiii)	Reaction of non-volatile residue	Appendix : F	To pass the test
xiv)	Ultraviolet (UV) Absorbance test: Absorbance per centimeter optical path length, in the range of UV wavelength (nm), max. 260-289 290-299 300-359 360-400	Appendix C of IS 1758:1986	0.15 0.13 0.06 0.02
xv)	Refractive Index	*	1.375-1.384

*Under Preparation.