

FOOD GRADE HEXANE
IS 3470:2002(Reassured 2007)

CHARACTERISTICS	REQUIREMENT	APPENDIX	METHOD OF TEST, IS : 1448
Distillation		--	P:18 (Method B)
a. Initial boiling point, °C, min.	63		
b. Dry point, °C max.	70		
c. Temperature range of final 10% °C max.	2		
Composition:			
a) Aromatics, % by Vol., max	1.0	--	P:63
b) Saturates, % by Vol., min.	98.5	--	P:23
Density at 25.0 °C, max.	0.687	A	--
Colour (Saybolt), min.	+30	--	P:14
Sulphur, ppm, max.	75	B	--
Corrosion, copper strip, 3 hrs., at 50°C, max	1	--	P:15
Doctor test	Negative	--	P:19
Lead, g/l, max.	0.0005	C	--
Phosphates, ppm, max.	20	--	P:54
Chlorides (as Cl), ppm, max	20	D	--
Bromine Number, max	1	--	P:44
Non-volatile residue,g/100 ml, max.	0.001	E	--
Reaction of nonvolatile residue	To pass the test	F	

FOOD GRADE HEXANE
Typical Test Results - Koyali

TEST PARAMETERS	SPECIFICATION	TEST RESULTS
Density at 20°C, kg/m ³	660.0 to 687.0	674.5
Refractive Index at 20°C	1.375 to 1.384	1.379
Distillation, IBP, °C, min.	63.0.	65
Distilled between 64-70 °C,% vol.,min.	95	98
Non Volatile Residue, g/dcl, max.	0.0005	0.0003
Reaction of Non Volatile Residue	Passes the test	Passes the test
Sulphur, mg/kg, max.	5.0	0.80
Lead as Pb, mg/kg, max.	1.0	0.000
Benzene, % Vol, max.	0.05	0.000
Polycyclic Aromatic Hydrocarbon	Passes the test	Passes the test