



TEST ANALYSIS REPORT

PRODUCT: CHLORINATED PARAFFIN-M45 (UNICHLOR- M45)

BATCH NO: G/259

SL.NO	PROPERTIES	TEST METHOD	TARGET VALUES	ACTUAL VALUES
1	Physical Appearance	Visual	Colourless, odourless, viscous liquid	Colourless, odourless, viscous liquid
2	Colour in HU	ASTM- D1045-86	25-60	25+
3	Specific Gravity at. 28° C	ASTM- D1045	1.190 to1.210	1.200
4	Chlorine Content in %	ISI- 1448-77	45+/-2%	45.11%
5	Volatility Loss in % (at 130 ° C for 3 hours)	ISI- 14426-97	0.75%	0.431%
6	Carbon Chain	GC	<C ₁₄ → < 1% C ₁₄ → 30% - 40% C ₁₅ → 50% - 60% >C ₁₅ → 10% - 15%	0.87% 34.02% 54.00% 11.11%
7	Heat stability (colour change at 180° C for 30 minutes)	UCP/QCD/4	Light to medium yellow	Faint Yellow
8	Thermal stability % HCl at 175 ° C for 4 hours (max)	ISI- 14426-97	Less than 0.2 %	0.175%
9	Free Mineral acidity ,mg KOH / gm	ISI- 14426-97	<0.001	NIL
10	Moisture content % Max	KARL FISCHER	NIL	NIL
11	Refractive Index	ASTM- D 1807	1.400+/- 0.003	1.401
12	Viscosity (In poise) At 25°C	Brook Field Viscometer ASTM D 445	06 to 09 poise	7.10 poise