



## TEST ANALYSIS REPORT

**PRODUCT: CHLORINATED PARAFFIN-H40 (UNICHLOR- H40)**

**BATCH NO: B/162**

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	50-80	55+
3	Specific Gravity at. 28° C	ASTM- D1045	0.950 to1.120	1.100
4	Chlorine Content in %	ISI- 1448-77	40+/-1%	40.83%
5	Volatility Loss in % (at 130 ° C for 3 hours)	ISI- 14426-97	1.50%	1.024%
6	Carbon Chain	GC	<C <sub>18</sub> → < 5% C <sub>18</sub> → 30% - 40% C <sub>19</sub> → 50% - 60% >C <sub>19</sub> → 10% - 15%	3.67% 34.22% 51.00% 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 %	0.107%
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	1.375+/- 0.003	1.380
12	Viscosity (In poise) At 25°C	Brook Field Viscometer ASTM D 445	16 to 22 poise	19.9 poise