

Dichloromethane (Methylene Chloride) NF/EP/BP

Certificate of Analysis

GMP manufactured product, Meets: B.P. specification, Meets: E.P. specification, Meets: N.F. specification,

Product Code : C40010
Batch No. : F2509004
Manufacturing Date : 22.09.2025
Expiry Date : 21.09.2028

Test	Specification	Results
Meets NF Requirements		
Description	A Clear colorless, mobile liquid having odor resembling that of chloroform	Complies
Solubility	Miscible with alcohol, ether and fixed oils	Complies
Assay	Not less than 99.0%	100.0%
Identification by IR	The IR absorption spectrum of the vapor shows strong doublet peaks at 7.8 and 7.9 μm and at 13.2 and 13.4 μm , and relatively few minor peaks	Complies
Free chlorine (Cl_2)	The lower layer does not show a violet tint	Complies
Hydrogen Chloride (HCl)	NMT 0.001%; the pink color in the sample cylinder is at least as intense as that in the comparison cylinder, and the color persists for NLT 15 min	0.00096%
Non Volatile Residue	NMT 0.002%; NMT 1 mg of residue	0.0007%
Specific Gravity at 25c	1.318 - 1.322	1.319
Water	Not more than 0.02 %	0.009%
Meets EP/BP Chemical Specifications		
Description	A Clear colorless, volatile liquid.	Complies
Solubility	Sparingly soluble in water, miscible with alcohol	Complies
Identification B (Refractive Index)	1.423-1.425	1.424
Identification C (By IR)	The sample spectrum should match that of the reference standard	Complies
Appearance	It is clear and colourless.	Complies

This is computer Generated Report and hence signature is not required
VALOROL™ BY COGNIZANT CHEMICAL PRIVATE LIMITED

Regd. Off : B-120, Disma Office Premises, Steel Market, Kalamboli, Navi Mumbai-410218

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Test	Specification	Results
Acidity	Not more than 0.15 mL of 0.1 M sodium hydroxide is required to change the colour of the indicator to blue.	Complies
Relative Density	1.320 - 1.332	1.331
Refractive Index	1.423 - 1.425	1.424
Ethanol, 2-methylbut-2-ene, and volatile impurities:		
Ethanol	Maximum 2.0 %	0.0011%
2-Methylbut-2-ene	Maximum 300 ppm	59.68 ppm
Impurity A	Maximum 10 ppm	Not Detected
Impurity B	Maximum 50 ppm	19.79 ppm
Total of Impurities other than ethanol and 2-methylbut-2-ene	Maximum 0.1 %	0.013%
Free Chlorine (Cl ₂)	No blue colour develops	Complies
Residue on evaporation	Maximum 20 ppm	7 ppm
Water	Maximum 0.02 %	0.009%

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