

DICHLOROMETHANE PH.EUR SPECIFICATION

Sr.No.	Tests	Specifications
1	Appearance	Clear, colourless, volatile liquid.
2	Solubility	Sparingly soluble in water, miscible with ethanol (96%).
3	Identification A) Refractive index at 20°C ± 0.5°C	1.423 to 1.425 at 20°C ± 0.5°C
	B) By IR	The spectrum obtained with the sample corresponds in position & relative intensity to those in the spectrum obtained with that of Methylene chloride CRS or its Working standard. (Purity index should not be less than 0.99).
4	Appearance of solution	The substance to be examined is clear and colourless
5	Acidity	Not more than 0.15 ml of 0.1M sodium hydroxide should require to change the colour of the indicator to blue.
6	Relative density at 20°C	1.320 to 1.332 at 20°C
7	Refractive index at 20°C ± 0.5°C	1.423 to 1.425 at 20°C ± 0.5°C
8	Ethanol, 2-methylbut-2-ene and volatile impurities (By GC) Ethanol 2-methylbut-2-ene Impurity A (Carbon tetrachloride) Impurity B (Chloroform) Total of impurities other than ethanol and 2-methylbut-2-ene	Maximum 2.0% v/v Maximum 300 ppm v/v Maximum 10 ppm v/v Maximum 50 ppm v/v Maximum 0.1% v/v
9	Free Chlorine	No blue colour should developed.
10	Residue on evaporation	Maximum 20 ppm
11	Water	Maximum 0.02% m/m