

DICHLOROMETHANE NF SPECIFICATION

Sr.No.	Tests	Specifications
1	Description	Clear, colourless, mobile liquid having an odor resembling that of Chloroform.
2	Solubility	Miscible with alcohol, with ether, and with fixed and volatile oils.
3	Identification (By IR)	The IR absorption spectrum of the vapor shows strong doublet peaks at 7.8 μ m & 7.9 μ m and at 13.2 μ m & 13.4 μ m, & relatively few minor peaks.
4	Specific gravity at 25°C	Between 1.318 to 1.322
5	Water	Not more than 0.02%
6	Limit of hydrogen chloride	The pink color in the test cylinder is at least as intense as that in the comparison cylinder, and the color persists for not less than 15 minutes (Not more than 0.001%)
7	Limit of non volatile residue	Not more than 0.002%.
8	Free chlorine	The lower layer does not show a violet tint.
9	Assay(By GC)	Not less than 99.0% of methylene chloride.
10	Residual solvents (By GC) a) Methanol b) Ethanol c) 2-Methyl-2-butene d) Chloroform e) Carbon tetra chloride	Not more than 3000 ppm v/v Not more than 5000 ppm v/v Not more than 300 ppm v/v Not more than 60 ppm v/v Not more than 4 ppm v/v