

METHANOL NF SPECIFICATION

Sr.No.	Test	Specification
1	Description	Methyl alcohol is a Clear, colorless, liquid, having a characteristic odour. Is flammable.
2	Solubility	Miscible with water, with alcohol, with ether, with benzene, and with most other organic solvents.
3	Identification a) By IR	The spectrum obtained with the substance to be examine corresponds in position & relative intensity to those in the spectrum obtained with that of Methanol USP CRS or its Working standard. (Purity index should not be less than 0.99)
	b) By GC	The retention time of the major peak of the test solution corresponds to that of the Standard solution, as obtained in the assay.
4	Acidity	Not more than 0.45 ml of 0.02N NaOH is required to produce pink color.
5	Alkalinity (As ammonia)	Not more than 0.20 ml of 0.02N H ₂ SO ₄ is required to produced Pink color (3ppm).
6	Water	Not more than 0.1%.
7	Readily carbonizable substances	No decolorization develops.
8	Readily Oxidisable substances	The pink color does not completely disappear within 5 min.
9	Acetone & Aldehydes (As acetone)	Any turbidity produced in the sample solution is not greater than that produced in the standard solution. (NMT 0.003%).
10	Non volatile residue	The weight of the residue does not exceed 2 mg (NMT 0.001% w/w)
11	Assay (By GC)	Not less than 99.5%.
12	Residual solvents Benzene Ethanol Acetone	Not more than 2 ppm (v/v) Not more than 5000 ppm (v/v) Not more than 5000 ppm (v/v)