

METHANOL BP SPECIFICATION

Sr.No.	Test	Specifications
1	Appearance	Clear, colourless volatile, hygroscopic liquid.
2	Solubility	Miscible with water and with methylene chloride.
3.	Boiling point	About 64°C.
4	Identification	
	a) Refractive index at 20±0.5°C	1.328 to 1.330 at 20±0.5°C
	b) By IR	Comparison with Ph. Eur. Reference spectrum of methanol.
5	Appearance of solution	The substance to be examined is clear and colourless.
6	Acidity or alkalinity	Not more than 0.9 ml of 0.01M sodium hydroxide is required to change the colour of the indicator to pink.
7	Relative density at 20°C	0.791 to 0.793 at 20°C
8	Absorbance	
	At 230 nm	Maximum 0.15
	At 250 nm	Maximum 0.05
	At 270 nm	Maximum 0.02
	At 290 nm	Maximum 0.01
	Between 230 nm to 290 nm	The absorption curve should be smooth.
9	Impurity A (By GC)	Maximum 2 ppm v/v
10	Related substances (By GC)	
	a) Any impurity	Not more than 0.1%
	b) Total	Not more than 0.3%
11	Reducing substances	The pink colour should not completely discharged within 5 min.
12	Residue on evaporation	Maximum 10 ppm
13	Water	Maximum 0.10%
14	Residual solvents (By GC)	
	a) Benzene	Not more than 2ppm v/v
	b) Ethanol	Not more than 5000ppm v/v
	c) Acetone	Not more than 5000ppm v/v