

**Methanol (Methyl Alcohol) NF/EP/BP**

## Certificate of Analysis

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

Product Code : C40007  
Batch No. : RM2507009  
Manufacturing Date : 31.07..2025  
Expiry Date : 30.07.2028

Test	Specification	Results
<b>Meets NF Requirements</b>		
Description	Clear colorless liquid having a characteristic odor, Is flammable.	Complies
Solubility	Miscible with water, alcohol, ether, Benzene.	Complies
Assay (CH <sub>3</sub> OH) (by GC)	Not less than 99.5 %	100.5%
Identification A (By IR)	The IR absorption spectrum of the standard should match with that of IR absorption spectrum of sample.	Complies
Identification B (By GC)	The retention time of the major peak of the sample solution correspond to that of the standard solution, as obtained in the Assay.	Complies
Acidity	Not more than 0.45 mL of 0.020N is required to produce a Pink color.	0.38mL
Alkalinity (as NH <sub>3</sub> )	Not more than 0.20 mL of 0.020N Sulphuric acid is required to produce a pink color (3 ppm).	0.12mL
Non-volatile Residue	The weight of the residue does not exceed 2 mg, corresponding to not more than 0.001% w/w.	0.0007%
Readily Carbonisable Substances	No discoloration develops	Complies
Readily Oxidizable Substances	The Pink color does not completely disappear within 5mins	Complies
Acetone, Aldehydes (as Acetone)	Any turbidity produce in the sample solution is not great than that produce in the standard solution (0.003%)	Complies
Water (H <sub>2</sub> O) (by Karl Fischer titration)	Not more than 0.1%	0.04%

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 M :  
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Test	Specification	Results
<b>Meets EP/BP Chemical Specifications</b>		
Appearance	Clear colorless volatile, hygroscopic liquid.	Complies
Solubility	Miscible with water and with methylene chloride.	Complies
Identification A (By Refractive Index)	1.328 to 1.330	1.328
Identification B (By IR)	The sample spectrum matches that of the reference standard.	Complies
Acidity or Alkalinity	Not more than 0.9 mL of 0.01 M sodium hydroxide is required to change the colour of the indicator to Pink.	0.4mL
Relative Density	0.791 – 0.793	0.793
<b>Absorbance</b>		
Absorbance at 230 nm (au)	Max. 0.15	0.1834
Absorbance at 250 nm (au)	Max 0.05	0.0984
Absorbance at 270 nm (au)	Max 0.02	0.0751
Absorbance at 290 nm (au)	Max 0.01	0.0419
Scan from 230 nm to 290 nm	The absorption curve is smooth	Curve is not smooth
Impurity A (Benzene)	Not more than 2 ppm	Not detected
<b>Related Substances</b>		
Any Impurity	Not more than 0.1 %	Not detected
Total Impurity	Not more than 0.3 %	Not detected
Reducing Substances	The pink color is not completely discharge within 5mins	Complies
Residue on Evaporation	Maximum 10 ppm	9 ppm
Water	Maximum 0.10 %	0.04%

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