

Certificate of Analysis

Product: Methylene Blue Trihydrate
Item Number: MBTHGA
Grade: Reagent
Lot Number: 5001479/1.1
Manufacture Date: 07/01/2025
Expiration Date: 06/30/2030
Country of Origin: India

Tested Property	Specification	Analysis
Assay, as is basis	80 - 85%	81.23%
Purity by UV	98 - 103%	98.18%
Loss on drying (at 100 °C)	8 - 16%	10.02%
Residue on ignition	<1.2%	0.47%
Arsenic	</=8 ppm	None Detected
Copper	< 200 ppm	74
Zinc	< 100 ppm	96
Appearance	Dark Green Crystalline Powder	Conforms
Solubility	Clear, blue solution	Conforms
Absorptivity 1%, 1cm, at max, 663.0 nm	2200 - 2700	2252
Residual Solvent	Nil	Nil
Heavy Metal	</= 8 ppm	5
Identification by IR	Conforms	Comforms
Organic Volatile Impurities	To Pass Test	Passes
Chromatographic Impurities	To Pass Test	Passes

[Methylene Blue Trihydrate](#)

Note: The information and recommendations of Lab Alley concerning this product are based upon laboratory tests and experience. To the best of our knowledge and belief these are true and accurate, however Lab Alley assumes no obligation or liability for the information in this document. Since conditions of actual use are

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