



TECHNICAL DATA SHEET(TDS)
Methylene Blue Trihydrate, Reagent Grade
Product Specifications (CAS# 7220-79-3)

Test	Specification	Typical Results
Appearance	Dark Green Crystalline Powder	Conforms
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 ppm
Zinc	< 100 ppm	96 ppm
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 ppm
Identification by IR	Conforms	Conforms
Organic Volatile Impurities	To Pass Test	Pass
Chromatographic Impurities	To Pass Test	Pass

Appropriate/legal use of this product is the responsibility of the user.

[Methylene Blue Trihydrate, Reagent Grade](#)

Phone: 512-668-9918, Fax: 512-886-4008, E-mail: customercare@laballey.com
www.laballey.com

12501 Pauls Valley Road, Suite A, Austin, Texas 78737
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