

# CERTIFICATE OF ANALYSIS

Product Description METHYLENE BLUE, TRIHYDRATE  
Product Number M5781  
Lot Number HME5781002  
Molecular Weight 373.9  
Formula  $C_{16}H_8ClN_3S \cdot 3H_2O$   
CAS Number 7220-79-3  
Storage Temperature Room Temperature

## Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in Water @ 1 mg/mL	Passes
Physical Appearance Color* Texture	Under Development Crystalline Powder to Crystals	2050-30 Dark Green Crystalline Powder
Solution Appearance Color	Deep Blue Clear	Deep Blue Clear
Em (661nm)	$\geq 69000$	80266


\* Product color based upon comparisons between sample and standardized color wheel (Benjamin Moore® Color Preview™).

The material described in this certificate was manufactured in the United States of America and is synthetic in nature. No animal- or plant-derived components were used in the manufacture of this product.

**PhytoTech Labs Inc. provides the above information intended to be used only as a guide to the appropriate handling of this material by a properly trained person. PhytoTech Labs Inc. shall not be held liable for any damage resulting from handling or from contact with the above product. This product is intended for LABORATORY USE ONLY. Our products may NOT BE USED as drugs, cosmetics, agricultural or pesticidal products, food additives or as household chemicals.**

Date of Release: 13-December-2024

Recommended Shelf-Life Date: December 2032

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