



435 Creekside Drive, Suite 5
Amherst, NY 14228
www.ufcbio.com

Product: Methylene Blue, High Purity, USP Grade
Catalog Number: M122965
Lot Number: 12296J0801
Country of Manufacture: India

Storage Conditions: 10°C to 25°C (Ambient)
Retest Date: 08/25
CAS Number: 122965-43-9, 7720-79-3
Molecular Weight: 319.86 (anhydrous basis)

Certificate of Analysis

Test	Specification	Result
Appearance	Dark green or blue crystalline powder having a bronze-like luster	Pass
Solubility (1% in water)	Clear blue solution	Pass
Assay (dry weight basis)	≥96.0 to ≤104.0%	99.7%
Loss on Drying (105°C 3h)	≤18%	11.8%
Identification (FTIR)	Confirms to	Pass
Absorption maximum (50% in ethanol)	662-665 nm	664 nm
Heavy Metals	≤8 ppm	≤1 ppm
Cations		
Copper (Cu)	≤200 ppm	Pass
Zinc (Zn)	≤100 ppm	Pass
Arsenic (As)	≤8 ppm	≤2 ppm

For additional information see the material safety data sheet.

August 1st, 2023