

Certificate Of Analysis

Item Name	Methylene Blue, pure 99%	
Origin	Synthetic	
CAS Number	7220-79-3	
Manufacture Date	01-Feb-2025	
Retest Date	01-Feb-2028	
Test	Specification	Result
Solvent	Water	Conforms
Country of Origin	Canada	Conforms
Characters/Appearance	Crystalline powder	Conforms
Colour	Dark green Colour	Conforms
Odour	Characteristic	Conforms
Taste	Characteristic	Conforms
Mesh Size/Sieve	≥ 98% Through 40 mesh	100%
Bulk density	Undetermined	Conforms
Loss on drying	≤ 5.0%	2.19%
Absorption Ratio P-15/P+15	1.20 to 1.70	1.30
UV Lambda max	660 to 670 (in water)	664 (in water)
Dye content	≥98%	99.2%
Heavy Metals	≤10ppm	Conforms
Lead	≤3 ppm	<3 ppm
Arsenic	≤1 ppm	<1ppm
Mercury	≤0.1ppm	<0.1 ppm
Cadmium	≤1ppm	<1 ppm
Solvent Residue	≤ 10 ppm	<10 ppm
Total Plate Count	≤10000cfu/g	<100 cfu/ g
Total Yeast& Mould	≤100cfu/g	<100 cfu/ g
Escherichia coli (E. coli)	Negative	Absent
Salmonella	Negative	Absent
Staphylococcus	Negative	Absent
Storage & Handling		
Storage	Store in a clean, cool, dry place at room temperature	
All batches are fully in line with all requirements of the agreed specifications as standard, however not all parameters are tested per batch all of the time.		

Products are processed under ISO 9001:2015 quality management systems and samples are tested for conformance to the noted specifications. Certain data may have been supplied by third parties. We disclaim the implied warranties of merchantability and fitness for a particular purpose, and the accuracy of third-party data or information associated with the product. Products are for research and development use only. Products are not for direct administration to humans or animals. It is the responsibility of the final formulator or end user to determine suitability, and to qualify and/or validate each product for its intended use.