

CERTIFICATE OF ANALYSIS

Product	Methylene Blue Solution USP Grade (Trihydrate)
Concentration	2%
Solvent	Steam-distilled water (<1 ppm impurities)
CAS No	7220-79-3
Batch	NUTMB250614
Manufactured	June 2025
Expiry	June 2027

TEST SUMMARY

Test	Result	USP Standard
Appearance	Deep blue liquid	Visual inspection
Purity (Raw Powder)	98.56%	98.0–103.0% (on dried basis)
Solution Strength	2.00%	±2% tolerance
Solvent	Steam-distilled water (<1 ppm)	Purified water
pH Range	5.0–6.5	4.5–7.0 (typical)
Heavy Metals	Not Detected	Below USP limits
Organic Solvents	Not Detected	Within USP limits

MICROBIAL TESTING

Microbial Parameter	Result	USP Limit
Total Aerobic Count	< 10 cfu/ml	≤ 100 cfu/ml
Yeast & Mold	< 10 cfu/ml	≤ 10 cfu/ml
Pathogens (S. aureus, E. coli, Salmonella)	Absent	Absent

- ✓ Free from Preservatives, Solvents & Fillers
- ✓ Each Batch Lab-Tested for Purity, Microbial Safety & Compliance

