

Certificate of Analysis

Date of Testing: 2024-12-27 17:59:22
Date of Next Testing: 2028-12-26 17:59:22
Product Name: **Methyl Green**
CAS Number: 7114-03-6
Specifications & Purity: zinc chloride salt, ~65%
Lot #: L2425302
SKU #: **M100214**
Version: **0**
Analysis #: **158255**

Parameter	Limit Values	Result
Specific abs. A (1%/1cm)	≥1050	1063.20
Dye Content	65-100 (%)	95.60%
Loss on drying	0-5 (%)	2.06%
λ max(c = 0.005g/l; H ₂ O)	629-635 (nm)	631.52 nm
Crystal violet(TLC)	0-0.5 (%)	0.29%
Appearance (M100214)	Red to Golden to Green Powder or Crystal	Red to Golden to Green Powder or Crystal
ICP: Confirms Zinc Component	Confirmed	Confirmed
Infrared spectrum	Conforms to Structure	Conforms to Structure
PH Transition interval,0.2(yellow)- 1.8(blue)	Conforms	Conforms
Solubility in H ₂ O , Dark Blue to Very Dark Blue-Green,1 mg/ml	pass	Pass



John Su
QA & QC Manager