

## Certificate of Analysis

Date of Testing: 2022-12-15 17:24:22  
Date of Next Testing: 2026-12-14 17:24:22  
Product Name: **Methyl Green**  
CAS Number: 7114-03-6  
Specifications & Purity: zinc chloride salt, ~65%  
Lot #: L2206684  
SKU #: **M100214**  
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 <sub>2</sub> 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 <sub>2</sub> O , Dark Blue to Very Dark Blue- Green,1 mg/ml	pass	Pass



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QA & QC Manager