

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-12-24 15:16:14

Date of Next Testing: 2028-12-23 15:16:14

Product Name: **Methyl Green**

CAS Number: 7114-03-6

Specifications & Purity: zinc chloride salt, ~65%

Lot #: L2420074

SKU #: **M100214**

Version: **0**

Analysis #: **158255**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Specific abs. A (1%/1cm)	≥1050	1063.20000
Dye Content	65-100 (%)	95.59700 %
Loss on drying	0-5 (%)	2.06300 %
λ max(c = 0.005g/l; H ₂ O)	629-635 (nm)	631.52000 nm
Crystal violet(TLC)	0-0.5 (%)	0.28600 %
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