



Specifications

Methylene Green Certified

Catalog Number: MG1010
C.I. Number: 42590
CAS Number: 7114-03-6
Synonyms: Ethyl Green
Molecular Formula: $C_{27}H_{35}Cl_2N_3 \cdot ZnCl_2$
Molecular Weight: 653.24
Storage: 15°C – 30°C

Test	Specification
Dye Content (TiCl ₃ titration): Calculated as the ZnCl ₂ double salt	> 65 %
Description:	Dark, Brownish Red to dark green Powder
Spectroscopy:	Lambda max. 630 – 635 nm in water
Solubility:	Soluble in water and to a lesser extent in ethanol to give a clear deep green solution. No solid residue
Visual Transition Interval :	pH 0.2 (yellow) to pH 1.8 (blue)

Approved by:

Date: February 20, 2020

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