

Certificate of Analysis

Product Name: MALACHITE GREEN OXALATE SALT
for microscopy, crystals, S. No. 754
Product Number: 32745
Batch Number: BCBS5651
Brand: Sigma
CAS Number: 2437-29-8
Formula: $C_{23}H_{25}N_2 \cdot C_2HO_4 \cdot 0.5C_2H_2O_4$
Formula Weight: 463.50
Quality Release Date: 05 AUG 2016

TEST	SPECIFICATION	RESULT
APPEARANCE (COLOR)	GREEN TO VERY DARK GREEN	VERY DARK GREEN
APPEARANCE (FORM)	POWDER OR CRYSTALS	CRYSTALS
THIN LAYER CHROMATOGR.	CORRESPONDS TO STANDARD	CORRESPONDS TO STANDARD
SOLUBILITY (COLOR)	DARK BLUE TO VERY DARK BLUE AND DARK BLUE-GREEN TO VERY DARK BLUE-GREEN	VERY DARK BLUE
SOLUBILITY (METHOD)	0.01G IN 10ML METHANOL	0.01G IN 10ML METHANOL
LOSS ON DRYING	≤ 7.0 %	1.081 %
WAVELENGTH (1) (UV)	609 - 619 NM	617.2 NM
EXTINCTION (1%/1CM) (1) (UV)	≥ 1650	1883
WAVELENGTH (2) (UV)	420 - 430 NM	424.9 NM
EXTINCTION (1%/1CM) (2) (UV)	≥ 300	386
SOLVENT (UV)	WATER	WATER



Dr. Claudia Geitner
Manager Quality Control
Buchs, Switzerland

Sigma-Aldrich warrants that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.