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Certificate of Analysis

Product Description: Malachite Green Oxalate
Catalog Number: 152642
Lot: S6920**Formula:** $C_{46}H_{50}N_4 \cdot (C_2H_2O_4)_3$
CAS #: 2437-29-8
Physical Description: Green Crystalline Powder**Formula Weight:** 927.03
Storage: 15 - 30°C

Test	Specification	Result
Identity Test	Passes	Passes
UV/Vis: λ max (water)	614 - 618 nm	617.25 nm

Assay: 91.0%

Water Insolubles: $\leq 0.5\%$

Ratio at 602/632 nm: 1.04

Density (617nm): 0.508

Solubility (0.01% aq soln): Dark green solution

Visual Transition Intervals: from pH 0.0 (yellow) to pH 2.0 (green) and
from pH 11.6 (blue-green) to pH 14.0 (colorless)

Recommended Retest Date (MM/DD/YYYY): 07/31/2025



08/19/2021 - John Huang, PhD

MP Biomedicals, LLC.

Quality Control Manager

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