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Certificate of Analysis

Product Description: Toluidine Blue O
Catalog Number: 152649
Lot: S6831**Formula:** C₁₅H₁₆N₃SCI
CAS #: 92-31-9
Physical Description: Black Powder**Formula Weight:** 305.8
Storage: 15 - 30°C

Test	Specification	Result
Identity Test	Passes	Passes
UV/VIS: λ max (H ₂ O)	630 ± 4 nm	632.9 nm

Dye Content (as is): 70%
Absorptivity (1%/1cm, 632.8nm): 1350
Ratio (617/647 nm): 1.08
Density (632 nm): 0.668
Loss on Drying: 6.52%
Solubility (0.1% in water): Clear, blue solution
Recommended Retest Date (MM/DD/YYYY): 10/31/2026



08/10/2021 - John Huang, PhD
MP Biomedicals, LLC.
Quality Control Manager

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