



MP Biomedicals, LLC

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Certificate of Analysis

Product Description: 3-(4,5-Dimethylthiazolyl-2)-2,5-diphenyl Tetrazolium Bromide_
Catalog Number: 102227_
Lot: CR220814

Formula: C₁₈H₁₆N₅SBr

CAS #: 298-93-1

Physical Description: Yellow Powder

Formula Weight: 414.32

Storage: protect from light, 2 - 8°C

Test	Specification	Result
Identity Test	Passes	Passes
Purity	≥98%	98.3% (HPLC)
FTIR	Conforms to Standard	Conforms to Standard
Melting Point	189 - 199°C	191.4 - 192.6°C
UV/Vis: max (methanol)	376 ± 2 nm; 242 ± 2nm	376 nm; 242 nm

Loss on Drying: 0.19%

Solubility in Water: Clear Yellow to Yellow Green solution (0.5%)

Recommended Retest Date (MM/DD/YYYY): 09/10/2023

08/19/2022 - Lily Liu
MP Biomedicals, LLC.
QM

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Technical Service: 1-800-279-5490 (440-337-1200) Customer Service: 1-800-854-0530 (440-337-1200)