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## Certificate of Analysis

**Product Description:** 3-(4,5-Dimethylthiazolyl-2)-2,5-diphenyl Tetrazolium Bromide\_  
**Catalog Number:** 102227\_  
**Lot:** M1959\_

**Formula:** C<sub>18</sub>H<sub>16</sub>N<sub>5</sub>SBr  
**CAS #:** 298-93-1  
**Physical Description:** Powder

**Formula Weight:** 414.32  
**Storage:** +4°C, protect from light

Test	Specification	Result
Identity Test	Passes	Passes
Purity	~98%	99.10%
FTIR	Conforms to Standard	Conforms to Standard
Melting Point	189 - 199°C	197°C
UV/Vis: □□ max (methanol)	376 ± 2 nm; 242 ± 2 nm	375, 241 nm

Specific Extinction (1%/1cm): 496  
Solubility (5mg/ml, H<sub>2</sub>O): Clear, yellow solution

*Christina Marotta*

06/28/2011 - Christina Marotta  
MP Biomedicals, LLC.  
Technical Director

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