



## Certificate of Analysis

### Thiazolyl Blue Tetrazolium Bromide

**Catalog Number:** TB1006  
**Lot Number:** 0904902  
**CAS Number:** 298-93-1  
**Synonym(s):** 3-(4,5-Dimethyl-2-thiazolyl)-2,5-diphenyl-2H-tetrazolium bromide, MTT, Methylthiazolyldiphenyl-tetrazolium bromide  
**Molecular Formula:** C<sub>18</sub>H<sub>16</sub>BrN<sub>5</sub>S  
**Molecular Weight:** 414.32  
**Storage:** 2°C – 8°C  
**Date of Manufacture:** May 11, 2019  
**Retest Date:** May 10, 2024

Test	Specification	Result
Appearance	Yellow to orange powder	Conforms
Assay	≥ 98%	98.2%
Identification (UV)	To pass test	Conforms
Solubility (5mg/mL, H <sub>2</sub> O)	Yellow to very dark yellow or yellow green	Conforms

Approved by:

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Date: September 4, 2019