



## Certificate of Analysis

### Toluidine Blue O

**Catalog Number:** TB1001  
**Lot Number:** 0612901  
**CAS Number:** 92-31-9  
**Synonym(s):** Basic Blue 17, Blutene chloride, Methylene Blue T50, Tolonium chloride  
**Molecular Formula:**  $C_{15}H_{16}ClN_3S$   
**Molecular Weight:** 305.83  
**Storage:** 15°C – 30°C  
**Retest Date:** April 18, 2020

Test	Specification	Result
Appearance	Dark green to black powder	Conforms
Absorptivity ( $\lambda$ 630nm)	$\geq 1200$	1462
Spectroscopy (0.01mg/ml) 287-293nm 625-635nm	Report	287nm 0.1818 625nm 0.3187
Moisture (LOD)	$\leq 8.0\%$	3.82%
Solubility (0.1% H <sub>2</sub> O)	Clear blue solution	Conforms

Approved by:

Date: June 13, 2019

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