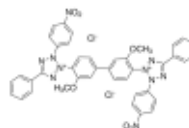


## Certificate of Analysis

Product Name:

Nitrotetrazolium Blue chloride -  $\geq 90.0\%$  (HPLC)

**Product Number:** N6876  
**Batch Number:** SHBS9109  
**Brand:** SIAL  
**CAS Number:** 298-83-9  
**MDL Number:** MFCD00012159  
**Formula:** C<sub>40</sub>H<sub>30</sub>Cl<sub>2</sub>N<sub>10</sub>O<sub>6</sub>  
**Formula Weight:** 817.64 g/mol  
**Storage Temperature:** Store at 2 - 8 °C  
**Quality Release Date:** 08 JUL 2025  
**Recommended Retest Date:** NOV 2027



Test	Specification	Result
Appearance (Color)	Yellow	Yellow
Appearance (Form)	Powder	Powder
Infrared Spectrum	Conforms to Structure	Conforms
Water (by Karl Fischer)	$\leq 4.5\%$	2.3 %
Solvent Content (by GC)	$\leq 10.0\%$	3.9 %
Nitrogen	16.4 - 17.9 %	16.8 %
Corrected for Water and Solvent		
Purity (HPLC)	$\geq 90.0\%$	99.4 %
Solubility (Color)	Very Light Green -Yellow to Dark	Green-Yellow
c = 10mg/ml; Water	Green-Yellow to Dark Yellow	
Solubility (Turbidity)	Clear	Clear
Recommended Retest Period	-----	-----
3 Years		

Larry Coers, Director  
Quality Control  
Sheboygan Falls, WI US

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at [Sigma-Aldrich.com](http://Sigma-Aldrich.com). For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.

