

## Certificate of Analysis

Date of Testing: 2023-01-10 14:12:33  
Date of Next Testing: 2027-01-09 14:12:33  
Product Name: **Nitrotetrazolium Blue chloride**  
CAS Number: 298-83-9  
Specifications & Purity:  $\geq 98\%$   
Lot #: A2304016  
SKU #: **N104908**  
Version: **0**  
Analysis #: **149731**  
Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Water by Karl Fischer	0-4.5 (%)	3.40 %
Purity(HPLC)	98-100 (%)	98.10200 %
Purity(Argentmetric Titration)(calc. based on dry substance)	98-100 (%)	99.33 %
Solvent Content	0-10 (%)	3.44 %
Nitrogen by Elemental Analysis (anhydrous)	16.7-17.6 (%)	16.72 %
Appearance (N104908)	yellow powder	yellow powder
Dehydrogenases detection test	to pass test	to pass test
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in H <sub>2</sub> O , Yellow, Clear, 10mg/ml	pass	Pass



John Su  
QA & QC Manager