

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-01-09 19:08:09

Date of Next Testing: 2027-01-08 19:08:09

Product Name: **Nitrotetrazolium Blue chloride**

CAS Number: 298-83-9

Specifications & Purity:  $\geq 98\%$

Lot #: A2304018

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 (%)             | 3.40490 %             |
| Purity(HPLC)                                                 | 98-100 (%)            | 98.10200 %            |
| Purity(Argentmetric Titration)(calc. based on dry substance) | 98-100 (%)            | 99.32500 %            |
| Solvent Content                                              | 0-10 (%)              | 3.44000 %             |
| Nitrogen by Elemental Analysis (anhydrous)                   | 16.7-17.6 (%)         | 16.72000 %            |
| 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