

## Certificate of Analysis

Date of Testing: 2023-07-21 18:31:57

Date of Next Testing: 2027-07-20 18:31:57

Product Name: **Tetrazolium Red**

CAS Number: 298-96-4

Specifications & Purity: 98%

Lot #: G2317180

SKU #: **T109275**

**Analysis:** **242992**

Storage Temperature: Store at 2-8°C, Argon charged

| Parameter                                                                           | Limit Values           | Result                 |
|-------------------------------------------------------------------------------------|------------------------|------------------------|
| Purity(HPLC)                                                                        | 98-100 (%)             | 98.08400 %             |
| Water by Karl Fischer                                                               | 0-5 (%)                | 3.71 %                 |
| Absorbance(243.0-247.0 nm)(10 mg/L,water)(As dry base)                              | ≥0.7                   | 0.82200                |
| Appearance (T109275)                                                                | White to Yellow Powder | White to Yellow Powder |
| Proton NMR spectrum                                                                 | Conforms to Structure  | Conforms to Structure  |
| Solubility in H <sub>2</sub> O , Faint Yellow to Yellow,Very Slightly Hazy,50 mg/mL | pass                   | Pass                   |
| Carbon NMR Spectrum                                                                 | Conforms to structure  | Conforms to Structure  |
| Infrared spectrum                                                                   | Conforms to Structure  | Conforms to Structure  |
| Sensitiveness test                                                                  | pass                   | Pass                   |



John Su  
QA & QC Manager