

## Certificate of Analysis

Date of Testing: 2025-05-30 18:47:45

Date of Next Testing: 2029-05-29 18:47:45

Product Name: **Tetrazolium Red(TTC)**

CAS Number: 298-96-4

Specifications & Purity:  $\geq 98\%$

Lot #: E2529497

SKU #: **T109275**

Version: **3**

Analysis #: **500430**

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

| Parameter                                                                                   | Limit Values                                            | Result                                                  |
|---------------------------------------------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|
| Purity(HPLC)                                                                                | 98-100 (%)                                              | 99.61000 %                                              |
| Water by Karl Fischer                                                                       | 0-5 (%)                                                 | 0.82 %                                                  |
| Absorbance(243.0-247.0 nm)(10 mg/L,water)<br>(As dry base)                                  | $\geq 0.7$                                              | 0.74000                                                 |
| Appearance (T109275)                                                                        | White to Yellow to Orange to Green<br>powder to crystal | White to Yellow to Orange to Green<br>powder to crystal |
| Proton NMR spectrum                                                                         | Conforms to Structure                                   | Conforms to Structure                                   |
| Solubility in H <sub>2</sub> O , Faint Yellow to Yellow,Very pass<br>Slightly Hazy,50 mg/mL |                                                         | Pass                                                    |
| Infrared spectrum                                                                           | Conforms to Structure                                   | Conforms to Structure                                   |
| Carbon NMR Spectrum                                                                         | Conforms to structure                                   | Conforms to Structure                                   |
| Sensitiveness test                                                                          | pass                                                    | Pass                                                    |



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