

Certificate of Analysis

Date of Testing: 2024-06-21 11:50:59

Date of Next Testing: 2028-06-20 11:50:59

Product Name: **Tetrazolium Red**

CAS Number: 298-96-4

Specifications & Purity: $\geq 98\%$

Lot #: F2420398

SKU #: **T109275**

Version: **3**

Analysis #: **363606**

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

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	99.55000 %
Water by Karl Fischer	0-5 (%)	1.72 %
Absorbance(243.0-247.0 nm)(10 mg/L,water) (As dry base)	≥ 0.7	4.24300
Appearance (T109275)	White to Yellow to Orange to Green powder to crystal	White to Yellow to Orange to Green powder to crystal
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in H ₂ O , Faint Yellow to Yellow,Very pass 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



John Su
QA & QC Manager