

# Certificate of Analysis

**Product Name:** 2,3,5-Triphenyltetrazolium chloride (TTC; Tetrazolium chloride)  
**Cat #:** T-112  
**CAS #:** 298-96-4  
**Lot #:** Lot Specific  
**Retest Date:** Lot Specific  
**Storage:<sup>†</sup>** Store at 4°C. Protect from light.

Test	Specs	Results
Color	off-white to yellow	yellow
Form	crystalline powder	crystalline powder
Color of Solution (5% in ethanol)	colorless to yellow	slightly yellow
Turbidity (0.5% in ethanol)	max. 2.0 NTU	0.7 NTU
Loss on Drying (120°C, 3 h, vacuum)	max. 2.0%	0.4%
Sulphated Ash	max. 0.2%	0.04%
Argentometric Titration	98.0 to 102.0%	98.2%
TLC (50 mg in 1.5 ml methanol; butanol/acetic acid/water 78:5:17; UV 254 nm)	corresponds to reference material	corresponds
Molar Extinction Coefficient (0.001% in water at 247 nm)	min. 22400 L/(mol cm)	26175 L/(mol cm)
FT-IR Spectrum	corresponds to reference spectrum	corresponds

\* Gold Biotechnology, Inc. provides this Certificate of Analysis in good faith and to the best of its knowledge. It should not be substituted for the user's own raw material quality control. This material is for laboratory use only.

† Storage at listed temperature applies to retest date (if shown) or two years from purchase date. Check label for long term storage conditions, which may extend the product beyond the retest date and/or greater than two years from purchase.

**Gold Biotechnology, Inc.**  
 1328 Ashby Rd.  
 St. Louis, MO 63132  
 P: (314)890-8778  
 F: (314)890-0503  
 E: [contactgoldbio86@goldbio.com](mailto:contactgoldbio86@goldbio.com)