

# CERTIFICATE OF ANALYSIS

Product Description      TRIPHENYL TETRAZOLIUM CHLORIDE (TTC)  
TETRAZOLIUM RED  
Product Number        T8164  
Lot Number             HKW8164005  
Molecular Weight      334.81  
Formula                 C<sub>19</sub>H<sub>15</sub>N<sub>4</sub>Cl  
CAS Number             298-96-4  
Storage Temperature    2-8 °C

## Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in Water @ 1 mg/mL	Passes
pH	Under Development	4.7
Physical Appearance Color* Texture	Under Development Under Development	PM-1 White Fine Powder
Solution Appearance Clarity Color	Clear Under Development	Clear Colorless
Average Time to Dissolve	Under Development	Passes – 1 min
Insolubles	None	Passes
FTIR	Conforms to Structure	Passes
Purity	Under Development	>98%

\* Product color based upon comparisons between sample and standardized color wheel (Benjamin Moore® Color Preview™).

The material described in this certificate was manufactured in the United States of America and is synthetic in nature. No animal- or plant-derived components were used in the manufacture of this product.

**PhytoTech Labs Inc. provides the above information intended to be used only as a guide to the appropriate handling of this material by a properly trained person. PhytoTech Labs Inc. shall not be held liable for any damage resulting from handling or from contact with the above product. This product is intended for LABORATORY USE ONLY. Our products may NOT BE USED as drugs, cosmetics, agricultural or pesticidal products, food additives or as household chemicals.**

Date of Release: 19-April-2023  
Recommended Shelf Life Date: April 2028



David Hart  
Technical Director

**PhytoTech Labs Inc.**  
14610 W 106<sup>TH</sup> St. Lenexa, KS 66215  
Phone: 1-888-749-8682 or 1-913-341-5343  
Fax: 1-888-449-8682 or 1-913-341-5442  
Phytotechlab.com