

Certificate of Analysis

Product Name: DTE (Dithioerythritol)
Cat #: D-260
CAS #: 6892-68-8
Lot #: Lot Specific
Retest Date: Lot Specific
Storage:[†] Store desiccated at -20°C. Protect from air and light.

Test	Specs	Results
Color	white or colorless	white
Form	crystalline powder to crystals	crystalline powder
Color of Solution (10% in water)	colorless	colorless
Turbidity (1% in water)	max. 4.0 NTU	2.3 NTU
Loss on Drying (40°C, 3 h, vacuum)	max. 3.0%	0.1%
Melting Point	82 to 86°C	84°C
UV-Absorption (96 mg in 25 ml water, at 260 nm)	max. 0.120 AU	0.090 AU
UV-Absorption (96 mg in 25 ml water, at 280 nm)	max. 0.040 AU	0.011 AU
Iodometric Titration	99.0 to 101.0%	99.5%
TLC (100 mg in 3 ml acetone; diethylether/toluene 1:1; UV 254 nm, ninhydrin)	corresponds to reference material	corresponds
TLC (100 mg in 3 ml acetone; methanol/chloroform 1:9; UV 254 nm, ninhydrin)	corresponds to reference material	corresponds
Impurity (oxidized product; UV at 283 nm)	max. 0.2%	0.1%

* 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.

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Test	Specs	Results
FT-IR Spectrum	corresponds to reference spectrum	corresponds

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