

Certificate of Analysis

Date of Testing: 2022-04-26 11:01:35

Date of Next Testing: 2024-04-15 11:01:35

Product Name: **1,4-Dithioerythritol**

CAS Number: 6892-68-8

Specifications & Purity: for molecular biology, $\geq 99\%$

Lot #: H1822073

SKU #: **D105711**

Analysis: **087702**

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

Parameter	Limit Values	Result
Heavy metal (as Pb)	0-5 (ppm)	1.28 ppm
Melting point	83-86 (°C)	85.56000 °C
Purity(Iodometric Titration)	99-100 (%)	99.44 %
Appearance (D105711)	white powder	White powder
DNAse, Exonuclease Detection	None Detected	none detected
Infrared spectrum	Conforms to Structure	Conforms to Structure
Protease by FITC-Casein	None Detected	none detected
RNAse Detection	None Detected	none detected
Solubility in H ₂ O , Colorless, Clear to Very Slightly Hazy, 50 mg/ml	pass	Pass



John Su
QA & QC Manager