

Certificate of Analysis

Compound Information

Product Name:	DL-dithiothreitol
Cat. No.:	1055016
CAS No.:	3483-12-3
Molecular Formula:	C ₄ H ₁₀ O ₂ S ₂
Molecular Weight:	154.25
Chemical Structure:	



Batch Information

Batch No.:	L342778
Storage:	2-8°C, protect from light, stored under nitrogen
Test Date:	2024-01-26
Retest Date:	2027-01-25
Origin:	Shanghai, China

QC Summary

	Specification	Result
Appearance:	White to off-white (Solid)	White (Powder)
¹ H NMR Spectrum:	Consistent with structure	Consistent with structure
Structure Identification(Infrared Spectrum):	Conforms	Conforms
Melting point,°C:	41- 44	qualified
Purity(Titration with Iodine),ω/%:	96.5-103.5	99.02
Solubility in H ₂ O, Colorless to Faint Yellow Clear,50 mg/mL, H ₂ O:	Pass	Pass

Conclusion: The product has been tested and complies with the given specifications.

Caution: Research use only and are not intended for human use.

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