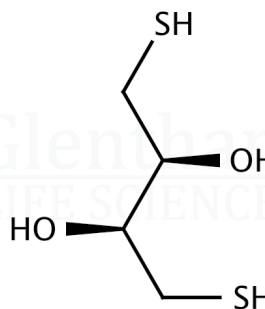


Certificate of Analysis

Product Name DL-Dithiothreitol, 99%
Glentham Code GC1199
CAS Number 3483-12-3
EINECS 222-468-7
MDL Number MFCD00004877
Additional CAS 27565-41-9
PubChem SID 310270881
Batch Number 931LDS

Molecular Weight 154.25
Molecular Formula $C_4H_{10}O_2S_2$
Storage Temp. +4°C



Property	Specification	Batch 931LDS
Physical Description	White to off-white powder	White powder
Solubility (5% in water)	Clear, colourless solution	Conforms
Identification	IR	Conforms
	TLC	Conforms
Melting Point	42 - 44 °C	42 - 43 °C
UV Absorbance (0.1M Solution)	500nm: ≤ 0.05	0.004
	280nm: ≤ 0.10	0.06
pH	4.00 - 6.00 (0.1M in water)	5.23
Loss on Drying	≤ 0.5%	0.12%
Individual Impurity	Dihydroxydithiane: ≤ 0.4%	0.28%
Assay (Iodimetry)	≥ 99.0%	99.53%

Specification Version v1.0
Manufacture Date 2022-01-20
Re-Test Date 2028-01-13

Glentham Life Sciences confirm that the above referenced product conformed to the information displayed in this document on the quality release date. Please check www.glentham.com or contact us using the details above for the current version of this document.

This document was generated electronically and is therefore valid without signature. © Glentham Life Sciences Ltd, 2024