



CERTIFICATE OF ANALYSIS

Product	DITHIOTHREITOL (DTT)
Grade	Ultra Pure
Product Code	DB0058
Formula	C ₄ H ₁₀ O ₂ S ₂
MW	154.25
CAS#	3483-12-3
Lot No.	

Test Items	Specifications	Results
Appearance	White crystals	
Titration ex -SH (iodometric)	≥99.0%	
T.L.C.	One spot	
UV Assay		
1% Solution A280	<0.067	
A305	<0.050	
0.02 M Solution A283	<0.040	
1 M Neutral Solution		
A400	<0.062	
A405	<0.062	
OD 700-500nm	≤0.035	
Loss on Drying	<0.5%	
Melting point	42±2°C	
Oxidized DTT	<0.5%	
Solubility\ (10%,Water)	Clear and Colorless	
I.R.	Consistent with assigned structure	

Storage: 2-8°C, under nitrogen. Protect from moisture.