

CERTIFICATE OF ANALYSIS

Product : **DITHIOTHREITOL (DTT)**
 Product number : D1309
 Batch number : 013459
 Date of production : 27-12-2017
 Date of analysis : 09-01-2018
 Date of expiry : 31-12-2020

Storage : store at 2 – 8 °C, protected from light

Description	SPECIFICATION	RESULT	UNITS	REMARKS
Appearance of solution	white free flowing powder	complies		hygroscopic
Solubility	clear and colourless	complies		5% in H ₂ O
	Soluble in methanol and methylene chloride	complies		
Identification:				
-A (IR-spectrum)	conform	complies		
-B (TLC)	conform	complies		
Melting point	42 – 44	42 – 43	°C	
pH	4.0 – 6.0	5.51		0.1 M in H ₂ O
Impurities:				UV
- Oxidized DTT	≤ 0.4	0.161	%	
Assay	≥ 99.0	99.56	%	
Loss on drying	< 0.5%	0.23	%	


This certificate of analysis is conform the results of the manufacturer.

Conclusion: approved

Released by:

drs. M. van Wissen, pharmacist
 Department of Quality Control Duchefa B.V.

Date: 19-01-2017

p/o

 S. de Bree

The buyer is responsible to test each batch to ensure the product is suitable for their specific purpose.