

## CERTIFICATE OF ANALYSIS

Product : **DITHIOTHREITOL (DTT)**  
 Product number : D1309  
 Batch number : 011105  
 Date of production : 30-01-2015  
 Date of analysis : 26-02-2015  
 Date of expiry : 31-01-2018

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

	SPECIFICATION	RESULT	UNITS	REMARKS
Description	white free flowing powder	complies		hygroscopic
Appearance of solution	clear and colourless	complies		5% in H <sub>2</sub> O
Identification:				
-A (IR-spectrum)	conform	complies		
-B (TLC)	conform	complies		
Melting point	42 – 44	42 – 43	°C	
pH	4.0 – 6.0	5.54		0.1 M in H <sub>2</sub> O
Impurities:				UV
- Oxidized DTT	≤ 0.4	0.191	%	
Assay	≥ 99.0	99.53	%	
Loss on drying	< 0.5%	0.3	%	

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: 09-03-2015



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