

CERTIFICATE OF ANALYSIS

Product : **DITHIOTHREITOL (DTT)**
 Product number : D1309
 Batch number : 016260
 Date of production : 10-04-2021
 Date of analysis : 14-04-2021
 Date of expiry : 30-04-2024

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 ₂ O |
| Solubility | 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 | 5.20 | | 0.1 M in H ₂ O |
| Impurities: | | | | UV |
| - Oxidized DTT | ≤ 0.4 | 0.274 | % | |
| Assay | ≥ 99.0 | 99.56 | % | |
| Loss on drying | < 0.5% | 0.20 | % | |

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: 18-06-2021



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

Duchefa Biochemie B.V.