



## CERTIFICATE OF ANALYSIS

Product : **DITHIOTHREITOL (DTT)**  
Product number : D1309  
Batch number : 019340  
Date of production : 09-02-2025  
Date of analysis : 14-02-2025  
Date of expiry : 29-02-2028  
  
Storage : store at 2 – 8 °C, protected from light

|                        | SPECIFICATION                              | RESULT      | UNITS | REMARKS                      |
|------------------------|--------------------------------------------|-------------|-------|------------------------------|
| Description            | white particles                            | complies    |       |                              |
| Appearance of solution | clear and colourless                       | complies    |       | 50 mg/ml in H <sub>2</sub> O |
| Solubility             | soluble in methanol and methylene chloride | complies    |       |                              |
| UV-absorbance          |                                            |             |       |                              |
| - 260 nm               | ≤ 0.4                                      | 0.358       |       |                              |
| - 280 nm               | ≤ 0.1                                      | 0.092       |       |                              |
| Melting point          | 41.0 – 44.0                                | 42.7 – 43.8 | °C    |                              |
| pH                     | 4.0 – 6.5                                  | 4.39        |       | 0.1 M in H <sub>2</sub> O    |
| Assay                  | ≥ 99.0                                     | 99.03       | %     |                              |
| Heavy Metals           | ≤ 5                                        | complies    | ppm   |                              |

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

Conclusion: approved

Released by:

J. van der Eem, MSc, pharmacist  
Department of Quality Control Duchefa Biochemie B.V.

Date: 13-06-2025

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

Duchefa Biochemie B.V.

