



## CERTIFICATE OF ANALYSIS

Product : **BES**  
N,N-BIS(2-HYDROXYETHYL)-2-AMINOETHANESULFONIC ACID  
Product number : B1514  
Batch number : 016280  
Date of analysis : 31-05-2021  
Date of expiry : 31-05-2024  
  
Packaging and storage : store dry in a well-closed container at room temperature

|                | <b>SPECIFICATION</b>     | <b>RESULT</b> | <b>UNITS</b> | <b>REMARKS</b>                 |
|----------------|--------------------------|---------------|--------------|--------------------------------|
| Appearance     | white crystalline powder | complies      |              |                                |
| Solubility     | clear and complete       | complies      |              | H <sub>2</sub> O               |
| pKa            | 6.9 – 7.3                | 7.2           |              | 25°C                           |
| Loss on drying | ≤ 1.0                    | 0.3           | %            | 140°C                          |
| UV absorbance  | ≤ 0.10                   | 0.03          | AU           | 1M aq. Sol., 1 cm cell, 260 nm |
| Assay          | ≥ 99                     | 100.0         | %            | dried substance                |

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: 23-06-2021

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

Duchefa Biochemie B.V.