

# CERTIFICATE OF ANALYSIS

Product : **MICRO AGAR**  
 Product number : M1002  
 Batch number : 017890  
 Date of production : 26-06-2023  
 Date of expiry : 30-06-2027

Packaging and storage : in a well-closed container, under dry and cool conditions

|                       | <b>SPECIFICATION</b> | <b>RESULT</b> | <b>UNITS</b>      | <b>REMARKS</b>    |
|-----------------------|----------------------|---------------|-------------------|-------------------|
| Appearance            | powder               | complies      |                   |                   |
| Colour                | cream-white          | complies      |                   |                   |
| Sieve Analysis        | ≤ 5                  | < 5           | %                 | ASTM, on mesh 80  |
| Gel strength (Nikkan) | 900 – 1050           | 980           | g/cm <sup>2</sup> | after autoclaving |
| Loss on drying        | ≤ 10                 | 8.94          | %                 |                   |
| Total ashes           | ≤ 5                  | 2.74          | %                 |                   |
| pH                    | 6 – 7.5              | 6.08          |                   | 1.5% solution     |
| Nepheles              | ≤ 10                 | 3.90          | NTU               | after autoclaving |
| Melting point         | > 85                 | 91.5          | °C                |                   |
| Gelling point         | 34 – 36              | 35            | °C                |                   |
| Calcium               | ≤ 2000               | 1802          | ppm               |                   |
| Magnesium             | ≤ 1000               | 839           | ppm               |                   |
| Toxic substances      | absence              | absence       |                   |                   |

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

Conclusion: approved

Released by:



S. Bayat, pharmacist  
 Department of Quality Control Duchefa B.V.

Date: 11-09-2023

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

Duchefa Biochemie B.V.