

## CERTIFICATE OF ANALYSIS

Product : **PLANT AGAR**  
 Product number : P1001  
 Batch number : B016137  
 Date of production : 01-04-2021  
 Date of analysis : 24-04-2021  
 Date of expiry : 30-04-2024

Packaging and storage : under cool and dry conditions, packages unopened

|                        | SPECIFICATION                                     | RESULT   | UNITS             | REMARKS      |
|------------------------|---------------------------------------------------|----------|-------------------|--------------|
| Appearance             | white to yellowish white, odourless powder        | complies |                   |              |
| Solubility             | insoluble in cold water, soluble in boiling water | complies |                   |              |
| Gel strength           | ≥ 1200                                            | 1300     | g/cm <sup>2</sup> |              |
| Mesh size              | ≥ 95% pass 80 mesh                                | complies | %                 |              |
| Moisture               | ≤ 15                                              | 6.50     | %                 |              |
| Ash content, total ash | ≤ 3.5                                             | < 0.70   | %                 |              |
| pH                     | 5.5 – 8.0                                         | 7.06     |                   | 10% solution |
| Viscosity              | 10 – 20                                           | 15       | CPS               |              |
| Gelling point          | 33 – 42                                           | 39       | °C                |              |
| Melting Point          | 85 - 95                                           | 92       | °C                |              |
| Lead (Pb)              | ≤ 5                                               | < 5      | ppm               |              |
| Mercury (Hg)           | ≤ 1                                               | < 1      | ppm               |              |
| Arsenic (As)           | ≤ 3                                               | < 3      | ppm               |              |
| Cadmium (Cd)           | ≤ 1                                               | < 1      | ppm               |              |
| Microbiology:          |                                                   |          |                   |              |
| - Total plate count    | ≤ 5000                                            | 1800     | cfu/g             |              |
| - TYMC                 | ≤ 300                                             | 0        | cfu/g             |              |

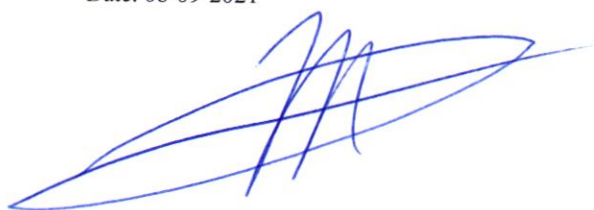
This certificate of analysis is conform the results of the manufacturer.

Conclusion: approved

Released by:

drs. M. van Wissen, pharmacist  
Department of Quality Control Duchefa B.V.

Date: 08-09-2021



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

Duchefa Biochemie B.V.