

CERTIFICATE OF ANALYSIS

Product : **PLANT AGAR**
 Product number : P1001
 Batch number : B016138
 Date of production : 01-04-2021
 Date of analysis : 24-04-2021
 Date of expiry : 30-04-2025

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	1290	g/cm ²	
Mesh size	≥ 95% pass 80 mesh	complies	%	
Moisture	≤ 15	6.20	%	
Ash content, total ash	≤ 3.5	< 0.70	%	
pH	5.5 – 8.0	7.05		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	1600	cfu/g	
- TYMC	≤ 300	0	cfu/g	

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

Conclusion: approved

Released by:

Date: 17-01-2024

Q. de Hoog, MSc, pharmacist
 Department of Quality Control Duchefa B.V.

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

Duchefa Biochemie B.V.