



## CERTIFICATE OF ANALYSIS

Product : **PLANT AGAR**  
Product number : P1001  
Batch number : B018234  
Date of production : xx-11-2023  
Date of analysis : 31-12-2023  
Date of expiry : 30-11-2026  
  
Packaging and storage : under cool and dry conditions, packages unopened

	<b>SPECIFICATION</b>	<b>RESULT</b>	<b>UNITS</b>	<b>REMARKS</b>
Appearance	white to yellowish white, nearly odourless powder	complies		
Solubility	insoluble in cold water, soluble in boiling water	complies		
Gel strength	≥ 1100	1220	g/cm <sup>2</sup>	
Ash content, total ash	≤ 5	3.5	%	dried substance, 550°C
Loss on drying	≤ 20	9.54	%	
Acid-insoluble matter (ash)	≤ 1.0	< 0.5	%	
Water absorption	> 5 times over weight	complies		
Arsenic (As)	≤ 3	< 1	ppm	
Lead (Pb)	≤ 5	< 1	ppm	
Mercury (Hg)	≤ 1	< 1	ppm	
Cadmium (Cd)	≤ 1	< 1	ppm	
Starch, gelatin and other protein	absent	not detected		
Microbiology:				
- Total plate count	≤ 5000	500	cfu/g	
- Escherichia coli	absent	complies	/1 g	
- Salmonella	absent	complies	/25g	

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: 15-03-2024

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