



## CERTIFICATE OF ANALYSIS

Product : **PLANT AGAR**  
 Product number : P1001  
 Batch number : B019235  
 Date of production : xx-04-2025  
 Date of analysis : 30-04-2025  
 Date of expiry : 30-04-2028

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

	SPECIFICATION	RESULT	UNITS	REMARKS
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	9.4	%	
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:

Date: 03-07-2025

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

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

Duchefa Biochemie B.V.