



## CERTIFICATE OF ANALYSIS

Product : **PLANT AGAR**  
Product number : P1001  
Batch number : 015731  
Date of production : xx-09-2020  
Date of analysis : 30-09-2020  
Date of expiry : 30-09-2023

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	$\geq 1100$	1200	g/cm <sup>2</sup>	
Ash content, total ash	$\leq 5$	2.5	%	dried substance, 550°C
Loss on drying	$\leq 20$	9.9	%	
Acid-insoluble matter (ash)	$\leq 1.0$	< 0.5	%	
Water absorption	> 5 times over weight	complies		
Arsenic (As)	$\leq 3$	< 1	ppm	
Lead (Pb)	$\leq 5$	< 1	ppm	
Mercury (Hg)	$\leq 1$	< 1	ppm	
Cadmium (Cd)	$\leq 1$	< 1	ppm	
Starch, gelatin and other proteins	absent	not detected		
Microbiology:				
-Total plate count	$\leq 5000$	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: 13-10-2020

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

Duchefa Biochemie B.V.

