

## CERTIFICATE OF ANALYSIS

Product : **CASEIN HYDROLYSATE**  
 Product number : C1301  
 Batch number : 013379  
 Date of production : xx-03-2016  
 Date of analysis : 18-04-2016  
 Date of expiry : 31-03-2021

Packaging and storage : in a well closed container, in dry conditions at room temperature

	SPECIFICATION	RESULT	UNITS	REMARKS
Description	white powder	complies		
Solubility	complete	complies		5% in H <sub>2</sub> O
pH	6.5 – 7.5	7.3		5% in H <sub>2</sub> O
Loss on drying	≤ 6.0	4.3	%	
Total nitrogen (TN)	12.5 – 13.5	12.9	%	
Amino nitrogen (AN)	3.0 – 4.0	3.3	%	
(AN/TN) x 100	22 – 32	26		
Residue on ignition	≤ 17	14.9	%	
Chloride (NaCl)	≤ 6.0	5.4	%	
Microbiology:				
- Total aerobic microbial count	≤ 10000	7	cfu/g	
- Staphylococcus aureus	absence	complies	/10 g	
- Coliform count	≤ 10	complies	cfu/g	
- Escherichia coli	absence	complies	/10 g	
- Salmonella	absence	complies	/25 g	
- Moulds and yeasts	absence	complies	cfu/20g	

This is to certify that above mentioned product is manufactured without the use of raw materials of origin with TSE/BSE-risk. The used raw material is milk from healthy animals in the same conditions as milk collected for human consumption. It is therefore not likely to be concerned by the BSE/TSE issue.

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

Conclusion: approved

Released by:

p/o

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

Date: 20-12-2017

  
 S. de Brée

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