

## CERTIFICATE OF ANALYSIS

Product : **CASEIN HYDROLYSATE**  
 Product number : C1301  
 Batch number : 009597  
 Quality : Food Chemical Codex, FCC  
 Date of production : xx-03-2013  
 Date of analysis : 23-04-2013  
 Date of expiry : 31-03-2018

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	7.1		5% in H <sub>2</sub> O
Loss on drying	≤ 6.0	1.1	%	
Total nitrogen (TN)	12.5 – 13.5	13.3	%	
Amino nitrogen (AN)	3.0 – 4.0	3.3	%	
(AN/TN) x 100	22 – 32	25		
Residue on ignition	≤ 17	13.3	%	
Chloride (NaCl)	≤ 6.0	4.9	%	
Microbiology:				
- Total aerobic microbial count	≤ 10000	347	cfu/g	
- Staphylococcus aureus	absent	complies	/10 g	
- Coliform count	≤ 10	< 10	cfu/g	
- Escherichia coli	absent	complies	/10 g	
- Salmonella	absent	complies	/25 g	
- Moulds and yeasts	≤ 20	complies	cfu/g	

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:

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

Date: 07-08-2013

