



Technical data sheet

Product description :

A peptone produced via hydrochloric acid hydrolysis of food-grade, NZ origin casein, resulting in an abundance of free amino acids and low molecular weight peptides. Often used in conjunction with other peptones, it finds applications in toxin expression for vaccine production and antibiotic resistance studies in culture media.

Acid Hydrolysate of Casein is compliant with Note for Guidance EMEA/410/01 – Rev. 3 of March 2011. It is not allergen-free due to the presence of milk proteins and contains no other animal products. It is **Kosher Dairy** and **Halal** certified, produced in France.

Typical analysis of A143400

Physical properties	Result
Appearance	Off-white powder
Stability after autoclaving (5%)	stable
Solubility in water (5%)	total

Chemical properties	Result	Result
Total Nitrogen N_T	7,6 %	Nitrites negative
α -amino nitrogen (N_α)	5,9 %	Proteoses negative
N_α/N_T	0,77	Indole negative
Sulfuric ash	49,7 %	Tryptophan negative
pH (5%)	5,3	Iron 0,002%
Chlorides (NaCl)	40,3 %	
Loss on drying	$\leq 6.0\%$	

Microbiological properties	Result
Total viable count	≤ 5000 cfu/g

Product packaging and storage

25 kg carton (double bagged LDPE individually sealed containing product)

Store between 10 – 35°C, avoid direct sunlight and humidity.

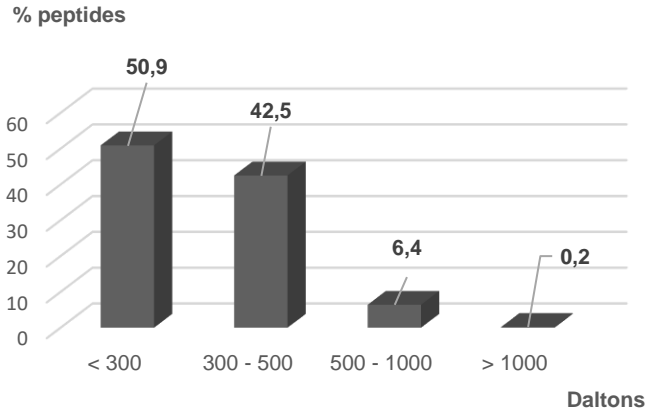
Expiry date : 5 years from manufacturing date

Regulatory documentation available

Certificate of Analysis	Kosher certificate
Certificate of Origin	Halal certificate
Veterinary Certificate*	
Allergen Certificate	
Material Safety Data Sheet	

Typical data

Molecular weight distribution	%
> 1000	0,2
500 - 1000	6,4
300 - 500	42,5
< 300	50,9



Typical data

Amino Acids profile (Total AA)	mg/g	mg/g	
Aspartic acid	4,4	Methionine	1,2
Threonine	2,2	Isoleucine	2,4
Serine	2,7	Leucine	3,4
Glutamic acid	12,5	Tyrosine	0,6
Proline	6,1	Phenylalanine	2,5
Glycine	1,2	Histidine	1,8
Alanine	2,0	Lysine	5,6
Cysteine	/	Arginine	2,2
Valine	3,9	Tryptophan	/

Sanitary & Origin statement

The casein used in this product is sourced from NZ origin and complete traceability can be provided. No other animal material is used in the production of this product.

To the best of our knowledge, this product has no compliance issues concerning Genetically Modified Organisms (GMO).

Produced under **ISO 9001 v 2015 ; ISO 14001 v 2015 ; ISO 45001 v 2018** certification.



Produced under continuous **Kosher & Halal** certification in France.



CoA available online : use product code **A143400** + lot number - <https://www.solabia.com/coa>

Manufacturing site and quality system open to audits by qualified customers. Inquire with Solabia.

*Veterinary certificate availability may depend on context of purchase.

Version : 02/2025

The information presented in this document is submitted in good faith based on internal testing performed at Solabia S.A.S. and represents the best of our knowledge at the present time. It is provided as a guide and no warranty, implied or otherwise is associated with this data, nor is any liability assumed for patent infringement. All data represents typical analyses not to be taken for exact specifications. Refer to Certificate of Analysis for current product specifications.

End-users are directed to perform proprietary tests to determine suitability and performance for specific applications. The information and results contained in this technical data sheet are susceptible to modification at any time, without warning.