



Technical data sheet

Product description :

A pancreatic digest of casein, using a proprietary process developed by Solabia. Produced from food-grade, NZ origin bovine casein using porcine enzymes. This reference is primarily destined for bacterial vaccine manufacturing that requires toxin production. Produced with respect to sustainable development policies.

Tryptone V is compliant with the Note for Guidance EMEA/410/01 – Rev. 3 of March 2011. It is not allergen-free due to the presence of milk proteins. Manufactured in Brazil, a **Category 1** country as defined by the OIE.

Typical analysis of A144300

<i>Physical properties</i>	<i>Result</i>
<i>Appearance</i>	White-cream powder
<i>Stability after autoclaving (5%)</i>	stable
<i>Solubility in water (5%)</i>	total

<i>Chemical properties</i>	<i>Result</i>	<i>Result</i>	
<i>Total Nitrogen N_T</i>	12,5 %	Nitrites	absent
<i>α-amino nitrogen (N_α)</i>	4,0 %	Proteoses	positive
<i>N_α/N_T</i>	0,32	Tryptophan	positive
<i>Sulfuric ash</i>	12,0 %	Undigested protein	negative
<i>pH (2%)</i>	7,2		
<i>Chlorides (NaCl)</i>	0,1 %		
<i>Total carbohydrates</i>	0,5 %		
<i>Loss on drying</i>	≤ 7.0 %		

<i>Microbiological properties</i>	<i>Result</i>
<i>Total viable count</i>	≤ 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.

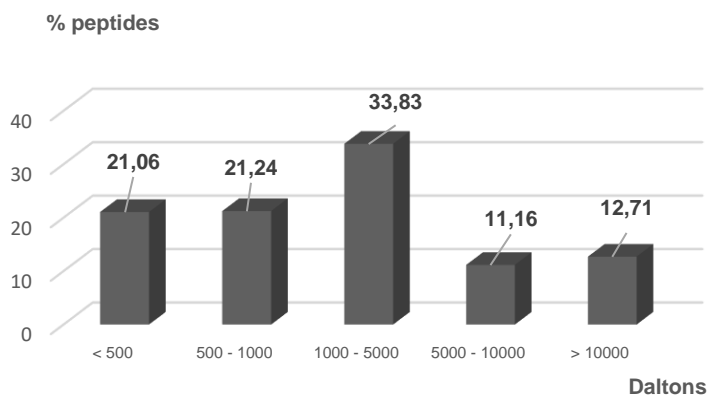
Expiry date : 5 years from manufacturing date

Regulatory documentation available

Certificate of Analysis
Certificate of Origin
Veterinary Certificate*
Allergen Certificate
Material Safety Data Sheet

Typical data

Molecular weight distribution	%
> 10000	12,71
5000 - 10000	11,16
1000 - 5000	33,83
500 - 1000	21,24
< 500	21,06



Typical data

Amino Acids profile (Total AA)	mg/g	mg/g	
Aspartic acid	69,0	Methionine	20,0
Threonine	46,0	Isoleucine	37,0
Serine	51,0	Leucine	78,0
Glutamic acid	154,0	Tyrosine	12,0
Proline	93,0	Phenylalanine	42,0
Glycine	15,0	Histidine	29,0
Alanine	24,0	Lysine	57,0
Cysteine	/	Arginine	26,0
Valine	44,0	Tryptophan	/

Sanitary & Origin statement

The casein used in this product is sourced from NZ origin and complete traceability can be provided. The enzymes used in the digestion are not of bovine origin and are sourced in Brazil or France (batches before 2024). Manufactured in Brazil.

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

Produced under **ISO 9001 v 2015** certification.



CoA available online : use product code **A144300** + 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.

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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.