



Technical data sheet

Product description :

One of the most widely used references in diagnostics and fermentation media, Tryptone is, by definition, a pancreatic digest of casein. It is produced from food-grade, NZ origin bovine casein using porcine enzymes. This reference favors good growth of lactic acid bacteria, yeasts & molds and serves as an all-around universal substrate for microorganisms that have no specific growth requirements. Produced with respect to sustainable development policies.

Tryptone 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 A143100

<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>	12,3 %	Nitrites	negative
<i>α-amino nitrogen (N_α)</i>	4,5 %	Proteoses	positive
<i>N_α/N_T</i>	0,37	Indole	negative
<i>Sulfuric ash</i>	12,3 %	Tryptophan	positive
<i>pH (2%)</i>	7,1	Calcium	< 0,02%
<i>Chlorides (NaCl)</i>	0,8 %		
<i>Reducing sugars</i>	0,5 %		
<i>Loss on drying</i>	≤ 6.0 %		

<i>Microbiological properties</i>	<i>Result</i>
<i>Total viable count</i>	≤ 5000 cfu/g

Product packaging and storage

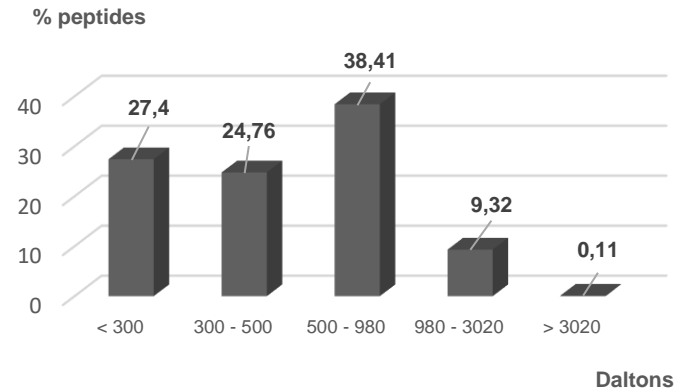
25 kg carton (double bagged LDPE individually sealed containing product)
Store between 10 – 35°C, avoid direct sunlight and humidity.
Expiry date : 5 years from manufacturing date

Regulatory documentation available

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

Typical data

Molecular weight distribution	%
> 3020	0,11
980 - 3020	9,32
500 - 980	38,41
300 - 500	24,76
< 300	27,4



Typical data

Amino Acids profile (Total AA)	mg/g	mg/g
Aspartic acid	61,0	Methionine 23,9
Threonine	37,6	Isoleucine 44,2
Serine	46,4	Leucine 77,7
Glutamic acid	190,0	Tyrosine 19,1
Proline	94,3	Phenylalanine 43,1
Glycine	17,2	Histidine 24,4
Alanine	27,4	Lysine 68,8
Cysteine	/	Arginine 32,8
Valine	56,2	Tryptophan 11,4

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 the EU.

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 **A143100** + 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.