



## Technical data sheet

### Product description :

A bovine casein peptone produced from food-grade, NZ origin casein and porcine enzymes. Recommended for rapid growth and bacterial detection in both culture media and fermentation where biomass is the objective. Produced with respect to sustainable development policies.

Pancreatic digest 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. Manufactured in Brazil, a **Category 1** country as defined by the OIE.

### Typical analysis of A143300

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

Chemical properties	Result
Total Nitrogen $N_T$	12,3 %
$\alpha$ -amino nitrogen ( $N_\alpha$ )	5,0 %
$N_\alpha/N_T$	0,40
Sulfuric ash	12,3 %
pH (2%)	7,1
Chlorides (NaCl)	1,4 %
Loss on drying	$\leq 6.0\%$

Microbiological properties	Result
Total viable count	$\leq 5000$ 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

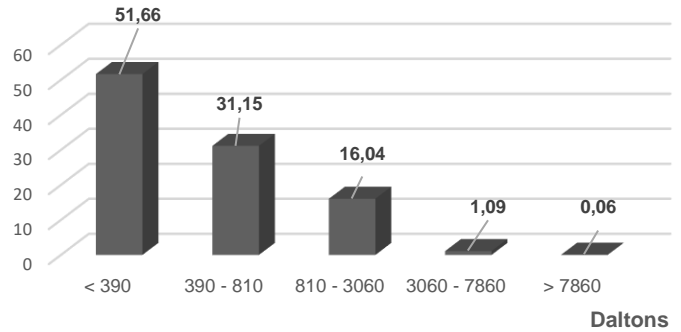
### Regulatory documentation available

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

**Typical data**

Molecular weight distribution		%
> 7860		0,06
3060 - 7860		1,09
810-3060		16,04
390 - 810		31,15
< 390		51,66

% peptides



**Typical data**

Amino Acids profile (Total AA)	mg/g		mg/g
Aspartic acid	60,0	Methionine	23,0
Threonine	36,0	Isoleucine	38,0
Glutamic acid	133,0	Tyrosine	67,0
Proline	76,0	Phenylalanine	37,0
Glycine	24,0	Histidine	33,0
Alanine	24,0	Lysine	54,0
Cysteine	/	Arginine	/
Valine	58,0	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 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 **A143300** + 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.