

Description

Origin : Tryptone USP is obtained by a controlled pancreatic digestion of casein of Oceanic (NZ / AUS) origin. As a strategic volume product, Tryptone can be manufactured in both France and Brazil, providing supply chain security for end-users.

Context : this peptone is produced from acid precipitated, food-grade casein, using enzymes of porcine origin. It is compliant with the Note for Guidance EMEA/410/01 – Rev. 3 of March 2011 (2011/C 73/01 of the Official Journal of the European Union). It can not be considered allergen-free due to the presence of milk proteins (Annex IIIa of the EU directive 2003/89/EC, updated 2006/142/EC).

Application : one of the most standard of peptones, used alone or combined with soy, yeast extract or meat peptones, Tryptone USP favors luxuriant growth of lactic acid bacteria, yeasts, and filamentous molds. With a low content of calcium it can be used in culture media containing high levels of phosphates.



Physical properties

Appearance : white-cream powder
Stability (2% in solution) : stable
Solubility in water at 2% : total

Microbiological controls

Total aerobic mesophilic flora ≤ 5000 cfu/g

Chemical analysis

Total nitrogen (N_T) : 12.3%
α-amino nitrogen (N_α) : 4.5%
N_α / N_T : 0.37
Sulfuric ash : 12.3%
pH (2% in solution) : 7.1
Reducing sugars : 0.5%
Chlorides (as NaCl) : 0.8%
Loss on drying ≤ 6.0%

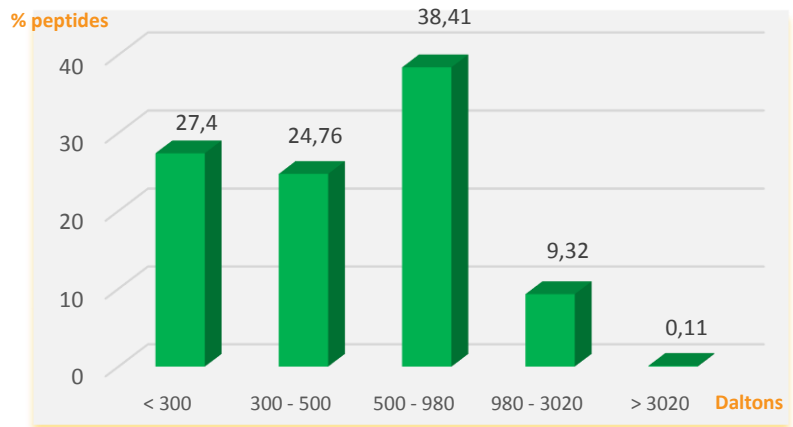
Chemical / Biochemical characteristics

Nitrites : negative
Proteoses : positive
Indole : negative
Tryptophan : positive
Undigested proteins : negative
Calcium : < 0.02%

Amino acid distribution (mg/g)

	Total amino acids		Total amino acids
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

Molecular weight distribution (Daltons)



Standard packaging / Storage

25 kg carton ; other formats inquire.
Delivered with Certificate of Analysis, Certificate of Origin. Separate non-animal, GMO, Allergen statements or veterinary certificate available upon request.

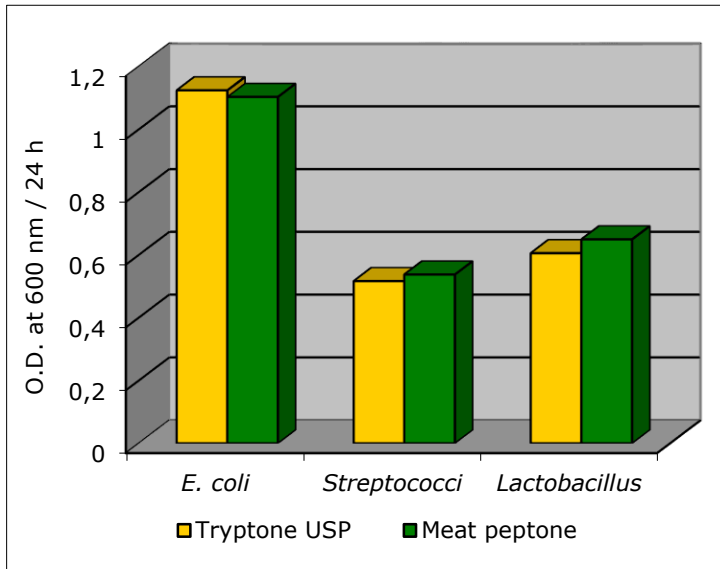
Keep in original packaging when not in use, in a dry area ideally between 10 and 35°C. Avoid direct sunlight. Hygroscopic product.
Expiry date : 5 years from date of manufacture.

Sanitary / Regulatory statement

In accordance with European Directives 1999/82/EC, 1999/104/EC, 2000/418/EC & 2011/C 73/01), as well as the Note for Guidance EMEA/410/01 Rev. 3 on the risk of transmitting animal spongiform encephalopathy agents via human and veterinary medicinal products, the production of this product is judged compliant with the aforementioned Note given the milk used as starting material is sourced from healthy animals and judged suitable for human consumption. To the best of our knowledge it is GMO free (according to the European Directive 2001/18/CE defining legislation for labeling; absence = less than 0.9%).

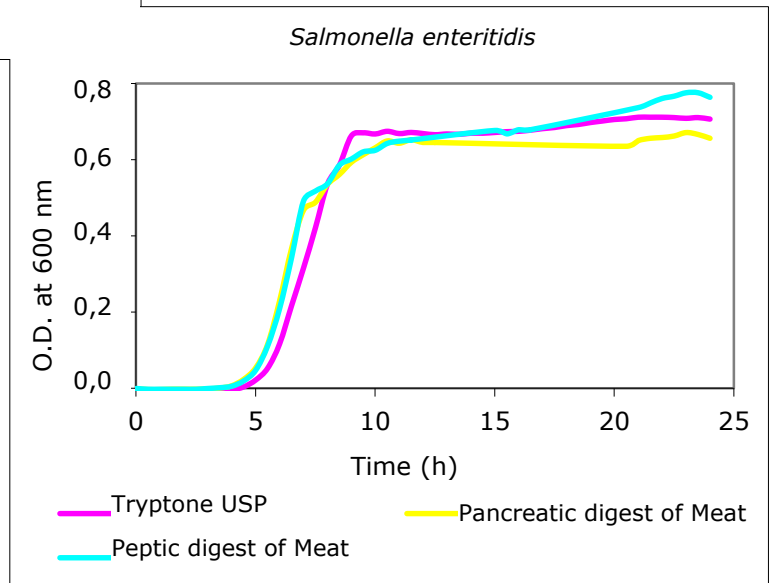
No other bovine materials are used in the production of this product.

OBSERVED MICROBIAL GROWTH POTENTIAL :



Inoculum 10^8 cfu / mL
Growth medium: 3 % peptone + 0.25 % glucose

This peptone demonstrates excellent growth of a wide variety of microorganisms and can be used in various applications as an all-purpose substrate. Results may differ depending on individual laboratory conditions and for other genera, species and strains.



Inoculum 10^2 cfu/mL
Culture medium : 1% peptone + 0.5% NaCl

Produced under **ISO 9001 v 2015** certification



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

CoA available online : use product code **A143100** + lot number.

V. 06/2019

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