

Description

- Origin :** Pork Heart Peptone is obtained by enzymatic hydrolysis of porcine hearts.
- Regulatory :** Porcine raw materials are sourced from Brazil, and complete traceability can be demonstrated. Brazil is a BSE **Category A** country as defined by the OIE.
- Application :** The composition and performances of Pork Heart Peptone are similar to those of Pork Brain-Heart Infusion, and offers a viable alternative for the replacement of bovine meat peptones in a variety of formulations. It can be used in combination with other peptones such as Tryptone USP, Yeast Extract or various Soy peptones.



Physical properties

- Appearance :** beige 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) : 13.0%
 α -amino nitrogen (N _{α}) : 5.0%
 N _{α} / N_T : 0,38
 Sulfuric ash : 14,0%
 pH (2% in solution): 7,1
 Chlorides (as NaCl) : 0.8%
 Loss on drying ≤ 6.0%

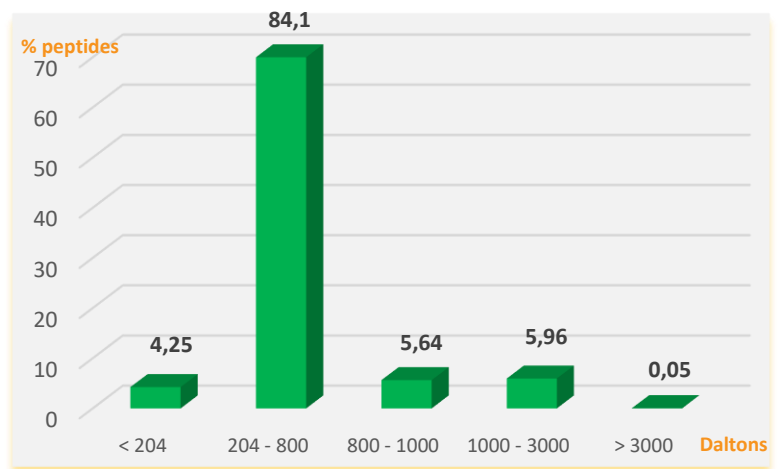
Chemical characteristics

- Nitrites : absent
 Indole : absent

Amino acid (AA) distribution (mg/g)

	Total AA		Total AA
Aspartic acid	68.0	Methionine	14.0
Threonine	36.0	Isoleucine	25.0
Serine	33.0	Leucine	47.0
Glutamic acid	103.0	Tyrosine	10.0
Proline	27.0	Phenylalanine	10.0
Glycine	43.0	Histidine	23.0
Alanine	48.0	Lysine	53.0
Cysteine	/	Arginine	48.0
Valine	37.0	Tryptophan	/

Molecular weight distribution (Daltons)



Storage

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

Standard packaging

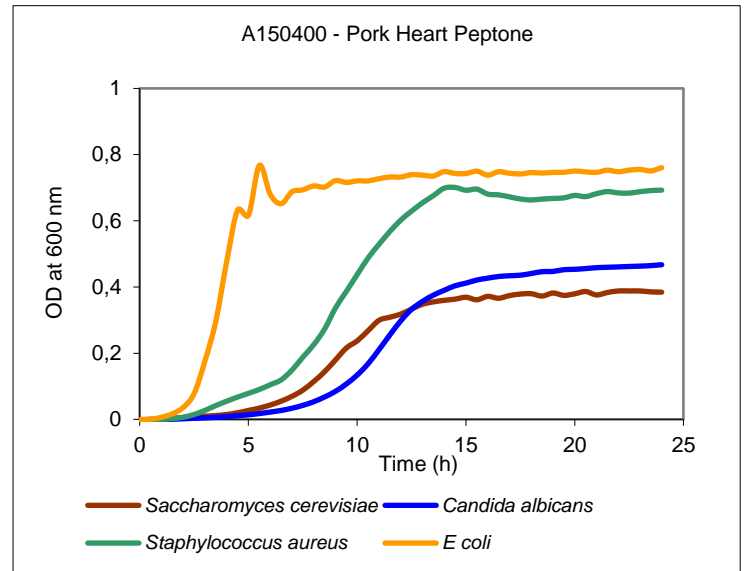
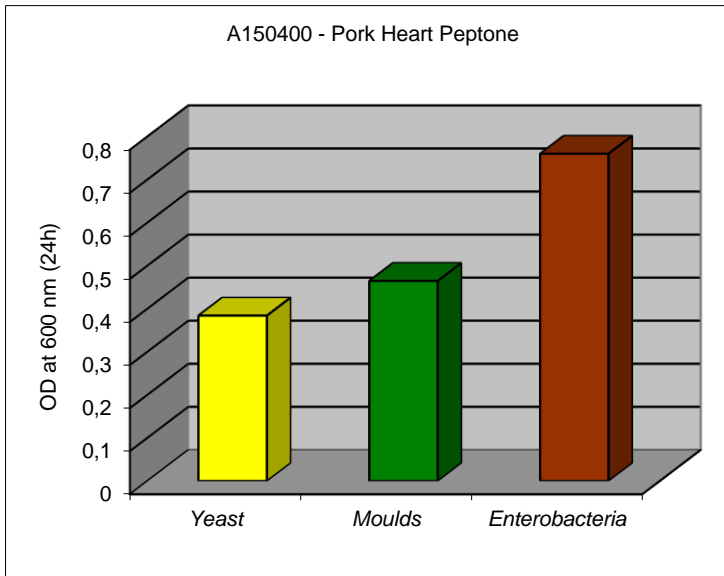
25 kg carton ; double bagged LDPE, sealed interior.

Delivered with Certificate of Analysis, Certificate of Origin.

The raw materials used in this product are sourced from Brazilian abattoirs providing complete traceability. Official veterinary certificates and manufacturer's declarations are available for this product upon request.

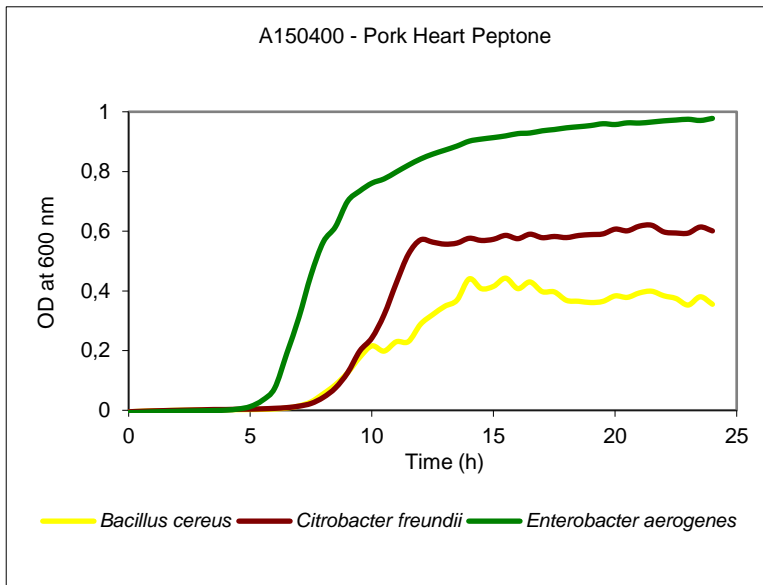
This product is not subject to BSE/TSE concerns as no bovine materials are used in its manufacturing. To the best of our knowledge, this product does not have any compliance issues concerning Genetically Modified Organisms (GMO).

OBSERVED MICROBIAL GROWTH POTENTIAL :



Comparison of peptone growth of Porcine Heart Peptone A150400 fermentation applications

Culture conditions : Aerobic incubation at 37°C 3% peptone + 0.25% glucose
Inoculum : 10^6 / cfu / mL



Comparison of peptone growth of Porcine Heart Peptone A150400 diagnostic applications

Culture conditions :
Aerobic incubation at 37°C
3% peptone + 0.25% glucose / pH 7,3
Inoculum : 10^2 / cfu / mL



Certifications profile :

Produced under **ISO 9001 v 2015** certification



Kosher / Halal certification : No

Raw material origin : **Brazil**

CoA available online : use product code **A150400** + lot number
<https://www.solabia.com/coa>

Manufacturing site and quality system open to audits by qualified customers*.

Allergen considerations : **No**
GMO issues : **No**

V. 10/2022

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. *Audits may involve fees dependent on volume of business.

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.

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