

Description

- Origin :** Pork Heart Infusion is obtained by enzymatic hydrolysis of porcine hearts.
- Regulatory :** Animal raw material is strictly of porcine origin, sourced from Brazil, and complete traceability can be demonstrated
- Application :** The composition and performances of Pork Heart Infusion 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.



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) : 12.5%
- α -amino nitrogen (N_α) : 5.6%
- N_α / N_T : 0.45
- Sulfuric Ash : 13.0%
- pH (2% in solution) : 7.0
- Chlorides (as NaCl): 1.2%
- Loss on drying ≤ 6.0%

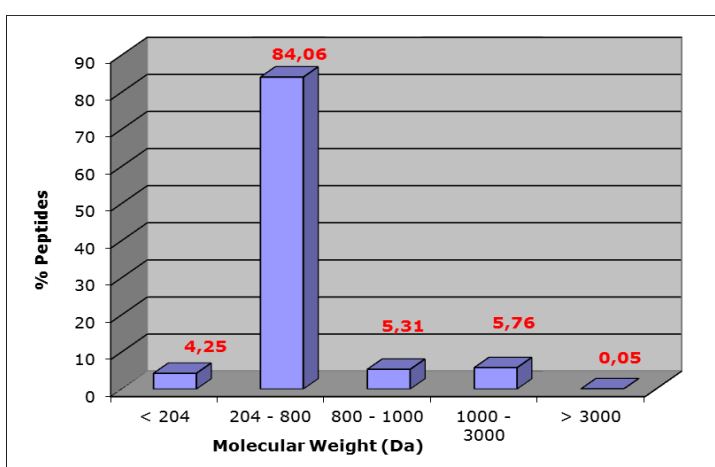
Chemical characteristics

- Nitrites (USP): absent
- Indole : absent
- Calcium < 0,1%
- Magnesium < 0,1%

Amino acid distribution (mg/g)

	Total amino acids (T)		Total amino acids (T)
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)



Standard packaging

25 kg carton ; other formats inquire.
Delivered with Certificate of Analysis, Certificate of Origin.

Storage

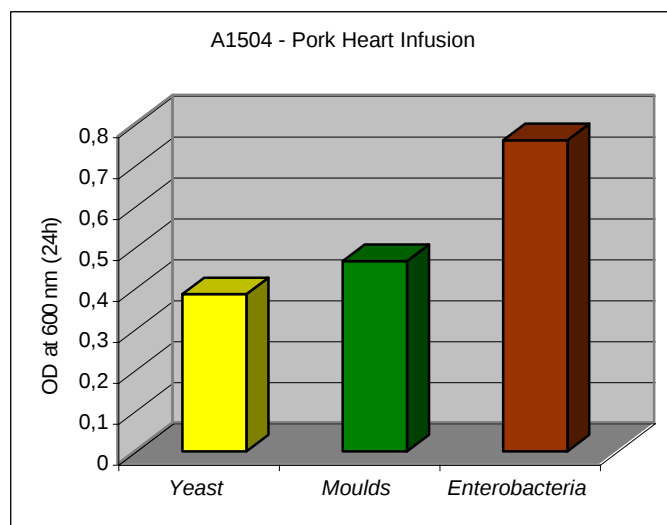
Keep in original packaging when not in use, tightly sealed in a dry area ideally between 10 and 35°C. Avoid direct sunlight. Hygroscopic product.
Expiry date : 5 years from date of manufacture.

Sanitary Attestation

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. No bovine materials are used in the manufacturing of this product. To the best of our knowledge, this product does not have any compliance issues concerning Genetically-Modified Organisms (GMO).

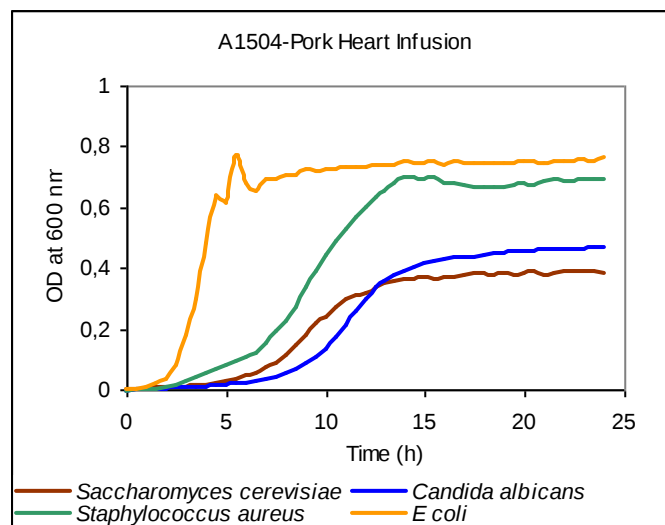
OBSERVED MICROBIAL GROWTH POTENTIAL :

Fermentation



Test conditions :

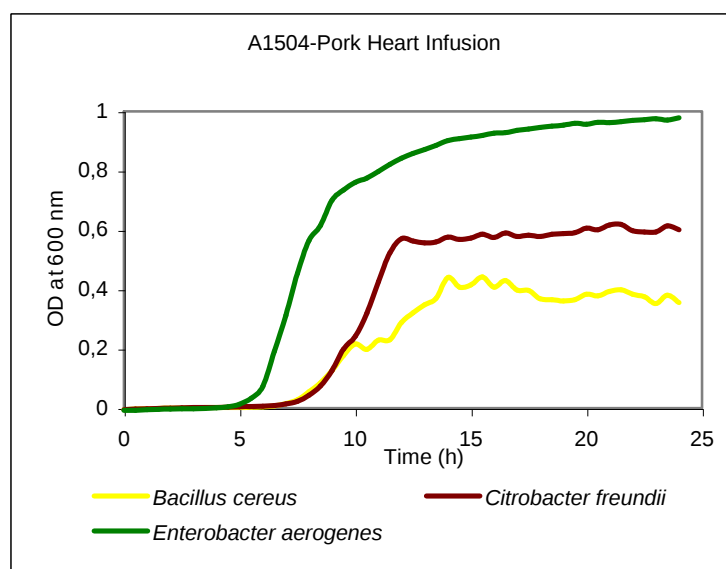
Inoculum 10^6 cfu / mL
Growth medium : 3% peptone + 0.25 % glucose



Test conditions :

Inoculum 10^6 cfu / mL
Growth medium : 3% peptone + 0.25 % glucose

Diagnostic culture media



Test conditions :

Inoculum 10^2 cfu/mL
Culture medium: 3 % peptone + 0.25 % glucose
pH 7.3

Conclusions :

Laboratory tests demonstrate excellent growth of various microorganisms. Results may differ for other genera & species.

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.

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.
Date of edition : 2012-10-15. Code document : A1504/A/8222-5 : 1