

Description

- Origin :** Potato Peptone KPH is obtained by enzymatic hydrolysis of potato protein.
- Context :** this peptone is classified animal free and is unconcerned by GMO issues (European Directive 2001/18/CE). It is, to the best of our knowledge, non allergenic and not subject to mandatory declaration according to Annex IIIa of the EU directive 2003/89/EC, updated with 2006/142/EC). This reference is certified **Kosher Pareve & Halal** for batches produced after December 2018.
- Application :** in light of its exceptional stability and clarity in solution, Potato Peptone may be particularly well suited for industrial fermentation growth media, cell culture supplementation and for diagnostic applications in animal-free culture media.



Physical properties

Appearance : light 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) : 11.5%
α-amino nitrogen (N_α) : 3.3%
N_α / N_T : 0.29
Sulfuric ash : 8.5%
pH (2% in solution): 7.0
Total carbohydrates : approx. 2.72%
Chlorides (as NaCl) : 0.82%
Loss on drying : ≤ 6.0%

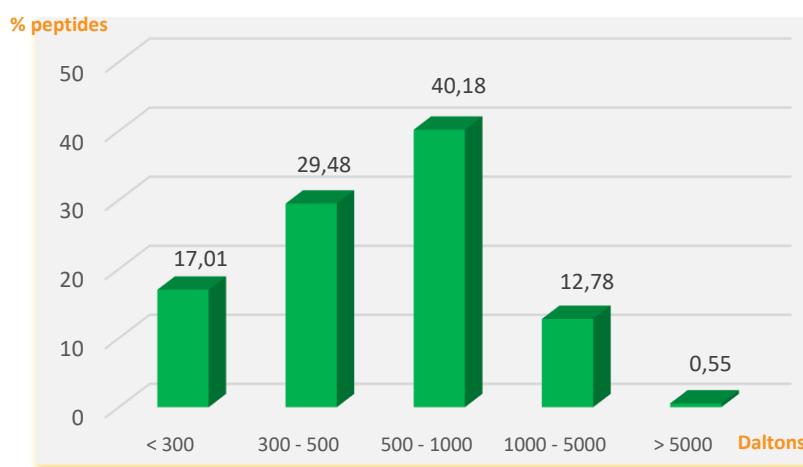
Storage

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.

Amino Acid (AA) distribution (mg/g)

	Total AA	Free AA		Total AA	Free AA
Aspartic acid	97.8	3.36	Methionine	19.7	2.44
Threonine	50.2	4.62	Isoleucine	40.8	3.60
Serine	45.8	4.13	Leucine	77.5	15.30
Glutamic acid	93.6	2.74	Tyrosine	42.9	4.16
Proline	41.7	-	Phenylalanine	44.7	8.31
Glycine	42.0	3.15	Histidine	19.6	3.00
Alanine	45.4	3.33	Lysine	63.5	8.50
Cysteine	22.6	1.35	Arginine	50.2	10.29
Valine	48.9	4.45	Tryptophan	7.9	-

Molecular weight distribution (Daltons)



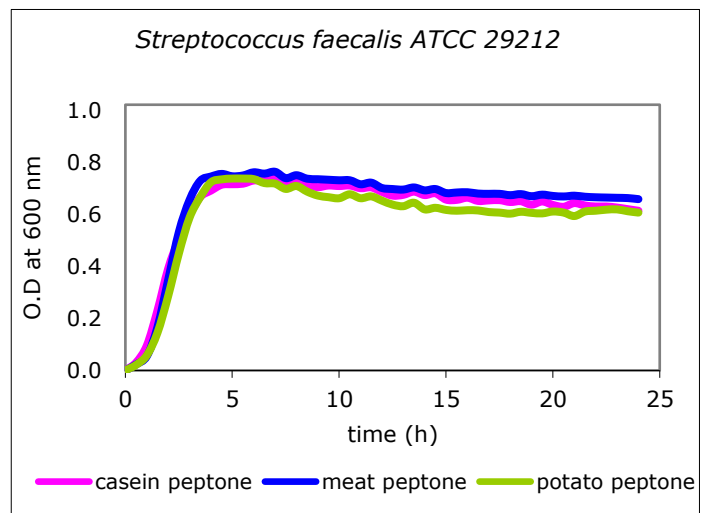
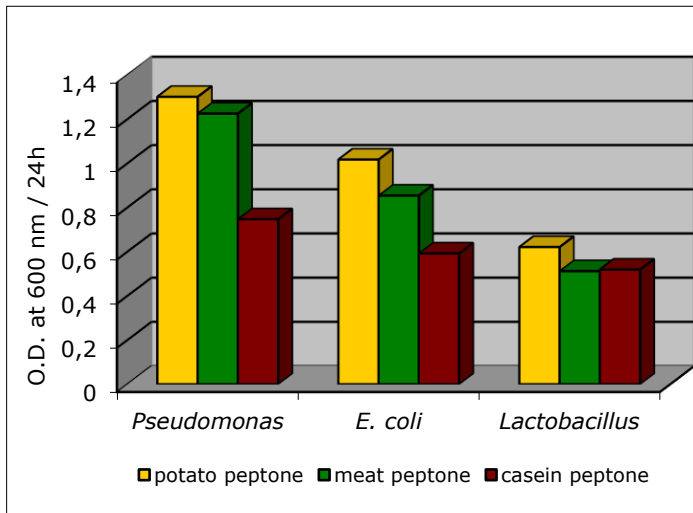
Sanitary / Regulatory statement

This plant peptone is classified animal-free by SOLABIA S.A.S. Based on the manufacturing protocol, we attest that no animal raw materials are prescribed for use in the production this product nor are any of the raw materials derived from animal products. Also, to the best of our knowledge, the product contains no genetically modified organisms as defined by current legislation for labelling (absence = less than 0.9%).

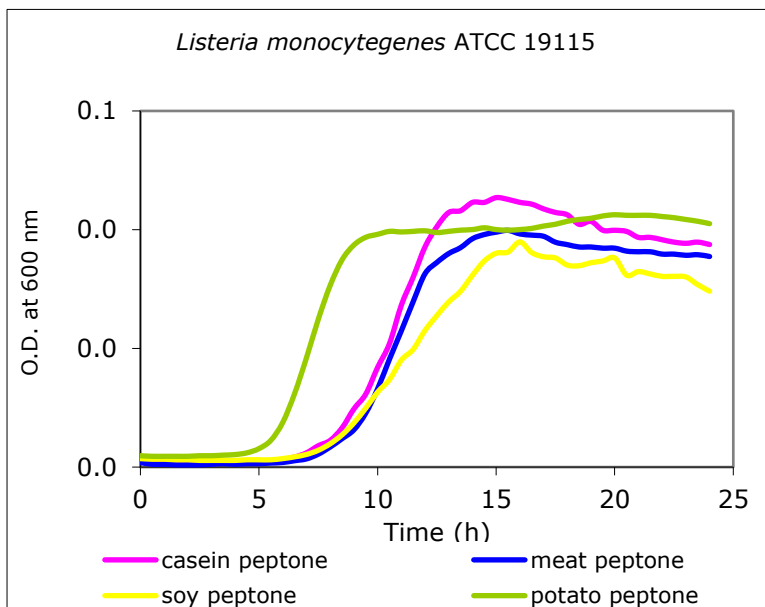
Standard packaging

25 kg carton ; other formats inquire. Delivered with Certificate of Analysis, Certificate of Origin. Separate non-Animal, GMO and allergen statements available upon request.

OBSERVED MICROBIAL GROWTH POTENTIAL :



Inoculum 10^6 cfu / mL
Growth medium: 3 % peptone + 0.25 % glucose
Tests done with identical A240100 reference.



Laboratory tests demonstrate excellent growth of a wide variety of microorganisms, with no inhibition. Used in diagnostics, it also favors pigmentation in *Pseudomonas* spp. (pyocyanins). It can be recommended for either a replacement for bovine substrates or as a stand-alone peptone. 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
Tests done with identical A240100 reference.



Certifications profile :

Produced under **ISO 9001 v 2015** certification



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

CoA available online : use product code **A243100** + lot number
<https://www.solabia.com/coa>

Allergen considerations : **NO**

GMO issues : **NO**

Kosher certification : Yes



Orthodox Union ; New York, NY USA.
Rabbi Menachem Adler, Administrator

Halal certification : Yes



HFFIA ; The Hague, Netherlands.
Inquire with Solabia for more information

V. 02/2021

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.