

Description

- Origin :** Papaic Soy Peptone is obtained from defatted soybean flour, using Identity-Preserved (IP) raw materials as it pertains to Genetically Modified Organisms (GMO). The digestive enzyme papain is not concerned by GMO issues.
- Context :** this peptone is animal free, GMO-secure (GMO-free according to the European Directive 2001/18/CE) but cannot be considered allergen-free due to the presence of soy proteins (Annex IIIa of the EU directive 2003/89/EC, updated with 2006/142/EC). This reference is certified **Kosher DE**. An identical **Kosher Pareve Halal** certified reference is available under code **A163700**.
- Application :** produced for principle applications in the fermentation industry in terms of granulometry and color, the peptone leads to the rapid and luxuriant growth of many microorganisms, including yeasts and molds.



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): 10.1%
α-amino nitrogen (N_α): 2.2%
N_α / N_T : 0.22
Sulfuric ash : 14.0%
pH (2% in solution): 7.0
Total carbohydrates : approx. 15.0 to 20.0%
Chlorides (as NaCl): 0.2%
Loss on drying : ≤ 6.0%

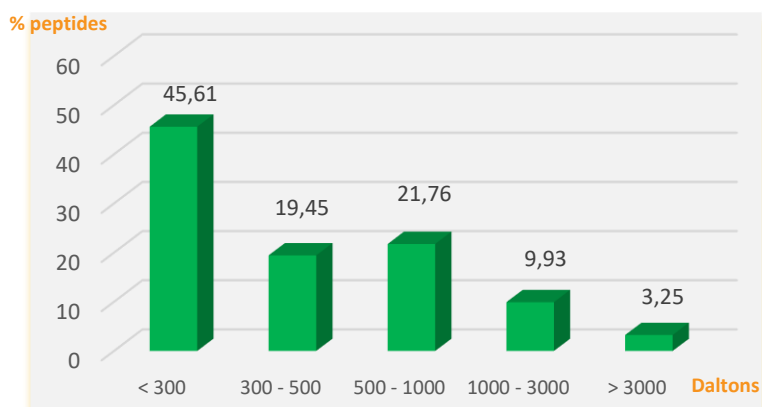
Chemical characteristics

Nitrates : negative
Indole : negative
Aflatoxins (B1, B2, G1, G2) < 2 µg / kg

Amino acid distribution (mg/g)

	Free amino acids		Free amino acids
Aspartic acid	12.7	Methionine	14.1
Threonine	13.1	Isoleucine	6.05
Serine	33.5	Leucine	62.4
Glutamic acid	30.0	Tyrosine	30.7
Proline	3.19	Phenylalanine	24.3
Glycine	35.8	Histidine	11.6
Alanine	28.5	Lysine	49.8
Cysteine	-	Arginine	102.0
Valine	5.38	Tryptophan	16.0

Molecular weight distribution (Daltons)



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

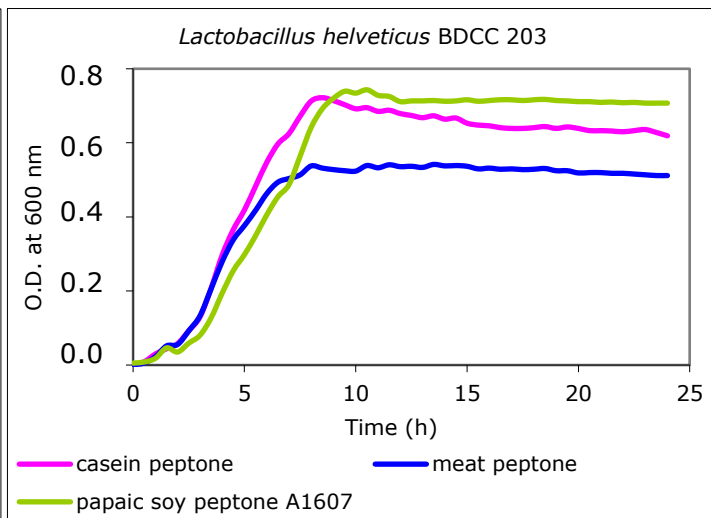
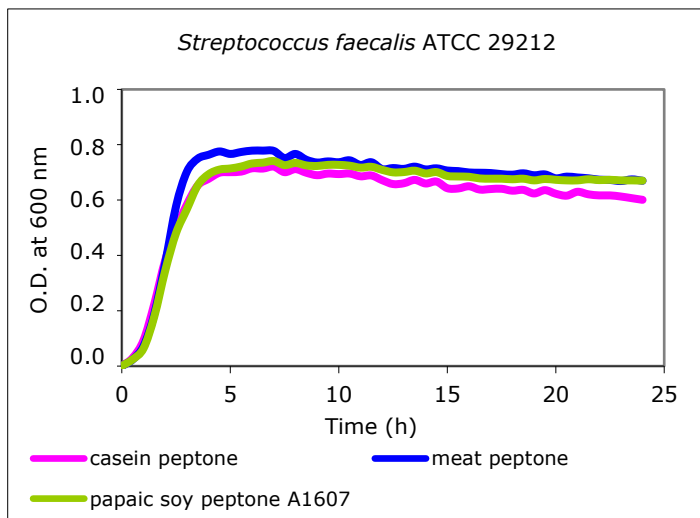
Standard packaging

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

Sanitary Attestation

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%).

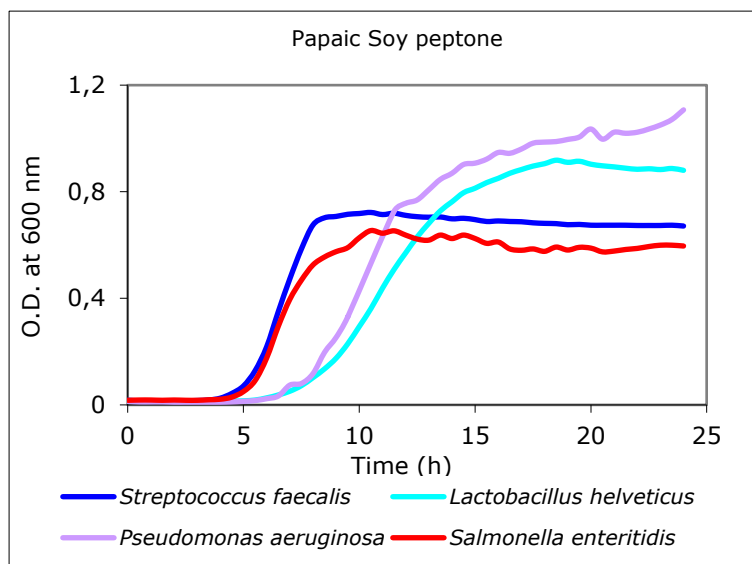
OBSERVED MICROBIAL GROWTH POTENTIAL :



Inoculum 10^6 cfu / mL

Growth medium: 1 % peptone + 0.5 % NaCl

BDCC = Solabia internal strain collection



Inoculum 10^4 cfu/mL

Culture 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. 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.



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 **A160700** + lot number
<https://www.solabia.com/coa>

Allergen considerations : **YES**

GMO issues : **NO**
(use of IP soy)

Kosher certification : yes 

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

Halal certification : No A160700
Yes A163700



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.

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