

Description

- Origin :** Papaic Digest of Soybean Meal USP is a peptone 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 product is **Kosher DE** and **Halal** certified.
- Application :** characterized by a relatively high carbohydrate count, this peptone is produced for primarily diagnostic purposes, in terms of density, particle size and clarity. It 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): 10.3%
 α-amino nitrogen (N_α): 2.1%
 N_α / N_T : 0.20
 Sulfuric ash : 13.8%
 pH (2% in solution): 7.0
 Total carbohydrates : approx. 20.0%
 Chlorides (as NaCl): 0.2%
 Loss on drying ≤ 6.0%

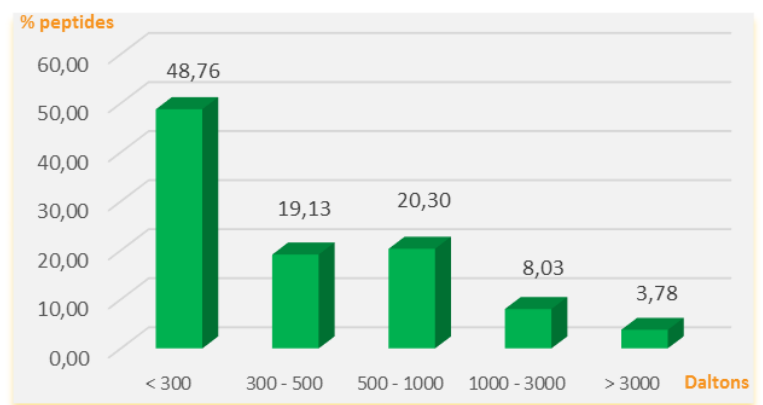
Chemical characteristics

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

Amino acid distribution (mg/g)

	Total amino acids		Total amino acids
Aspartic acid	78.20	Methionine	8.20
Threonine	23.90	Isoleucine	28.20
Serine	31.80	Leucine	47.10
Glutamic acid	124.0	Tyrosine	25.50
Proline	33.40	Phenylalanine	31.20
Glycine	47.70	Histidine	36.40
Alanine	26.90	Lysine	39.10
Cysteine	8.20	Arginine	86.50
Valine	28.20	Tryptophan	6.00

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

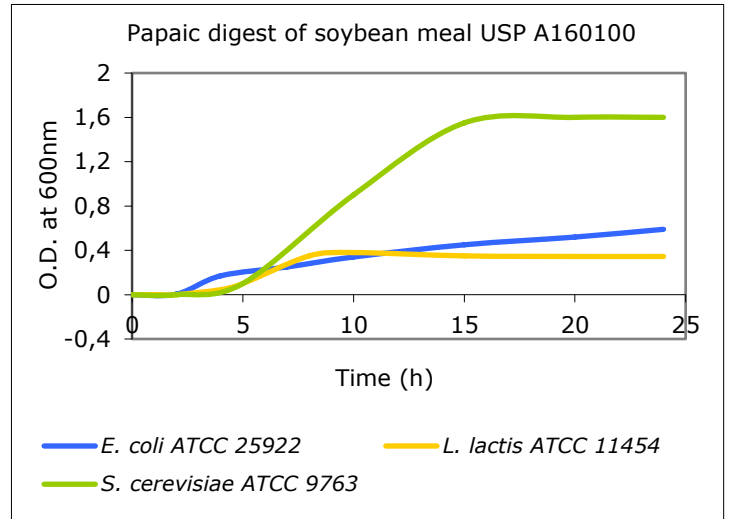
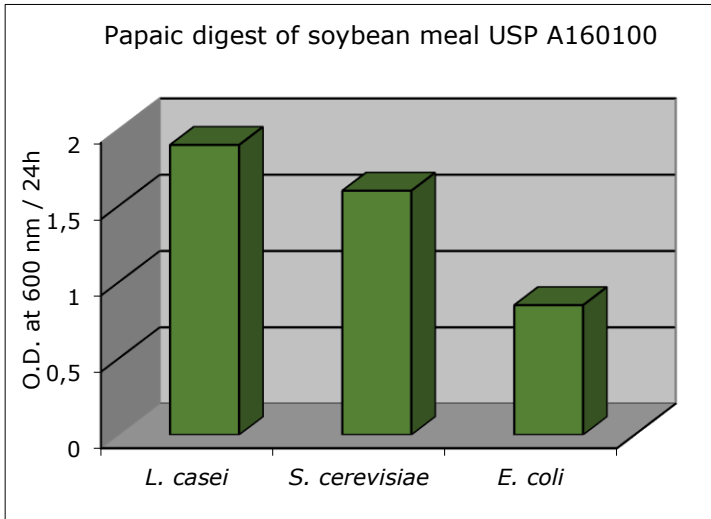
Standard packaging

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

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%).

OBSERVED MICROBIAL GROWTH POTENTIAL :



Inoculum 10^8 cfu / mL

Growth medium:

Modified MRS medium (*Lactobacillus*)

Modified Sabouraud medium (*S. cerevisiae*)

Modified Luria Bertani medium (*E. coli*)

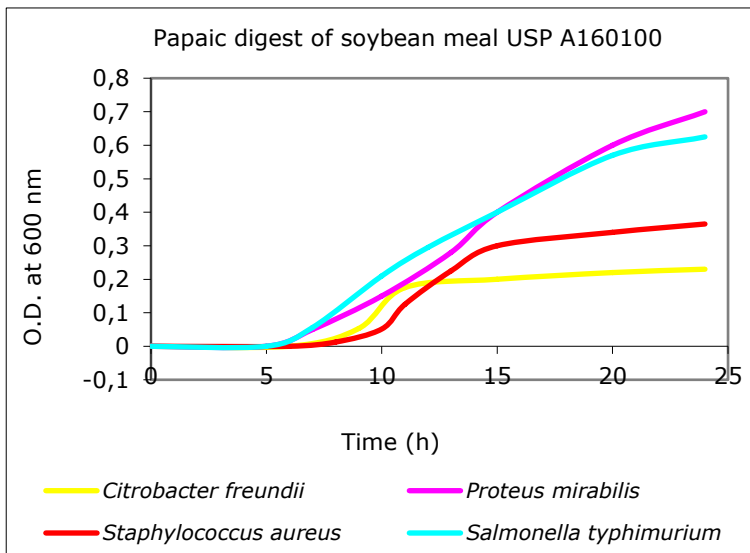
Inoculum 10^6 cfu/mL

Growth medium :

1% peptone + 0.5% NaCl (*E. coli* & *L. lactis*)

Growth medium :

1% peptone + 2% glucose (*S. cerevisiae*)



Laboratory tests demonstrate the balanced content of essential amino acids and vitamins result in excellent overall growth for a wide variety of microorganisms. Results may differ depending on individual laboratory conditions and for other genera, species and strains.

Inoculum 10^3 cfu/mL

Culture medium : 1% peptone + 0.5% NaCl



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 **A160100** + 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 : Yes



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

V. 02/2023

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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