

Description

- Origin :** Soy Peptone Crystale is a peptone obtained from defatted soybean flour, using Identity-Preserved (IP) raw materials as it pertains to Genetically Modified Organisms (GMO). The digestive enzymes are animal-free and are unconcerned by GMO issues.
- Regulatory :** this peptone is classified animal free, GMO free (according to the European Directive 2001/18/CE) but can not 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). **Kosher certification is available.**
- Application :** This peptone has been specially formulated for diagnostic applications, where a clear, limpid and only very lightly colored peptone is required, for instance in broth cultures where turbidity readings are essential. Its composition and high carbohydrate content leads to superior growth of a wide variety of microorganisms, including anaerobic germs and yeasts and molds.



Physical properties

Appearance : beige powder, clear in solution
 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%

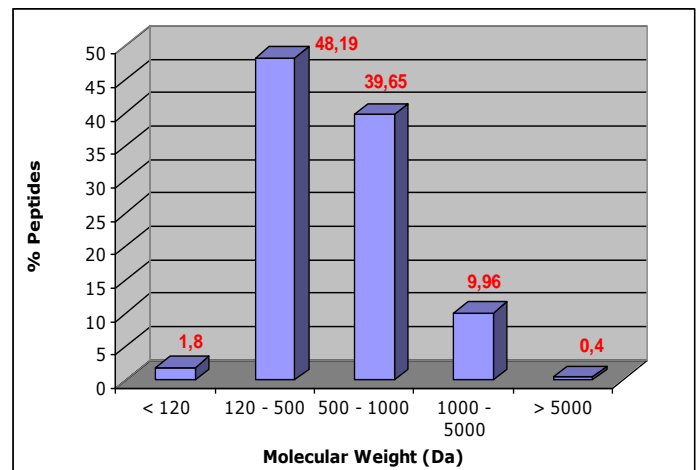
Chemical characteristics

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	73.0	Methionine	7.4
Threonine	24.1	Isoleucine	25.6
Serine	31.8	Leucine	43.0
Glutamic acid	120.9	Tyrosine	21.0
Proline	30.9	Phenylalanine	26.6
Glycine	26.2	Histidine	14.4
Alanine	26.2	Lysine	37.8
Cysteine	0.00	Arginine	45.2
Valine	27.0	Tryptophan	5.2

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, GMO Attestation for raw materials.

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 :

Replacement of animal-based substrates : fermentation

Growth curves in preparation

Replacement of animal-based substrates : diagnostic culture media

Growth curves in preparation

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.

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Kosher available

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ISO 9001 certified