

## 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.
- Context :** this peptone is classified animal free, 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 **Kosher DE** and **Halal** certified.
- Application :** This peptone has been specially formulated for *in vitro* diagnostic applications, (microbial culture media or cell culture) where a clear, limpid and only very lightly colored peptone is required, i.e. turbidity readings. 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<sub>T</sub>): 10.3%  
 α-amino nitrogen (N<sub>α</sub>): 2.1%  
 N<sub>α</sub> / N<sub>T</sub> : 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%

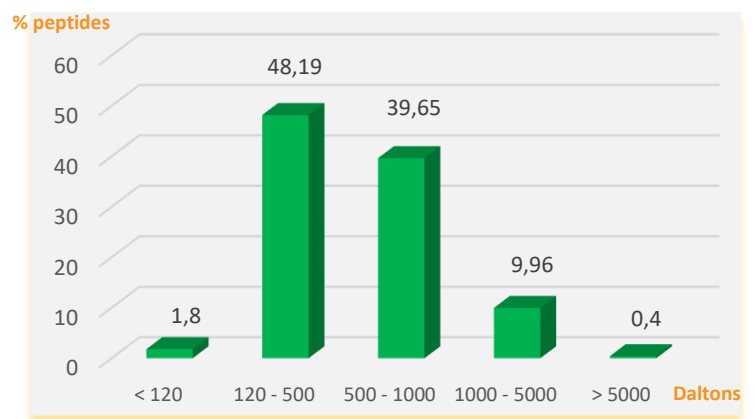
## Chemical characteristics

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. Separate non-animal, GMO, Kosher, Halal 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 :

Growth curves in revision



### 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 **A162100** + 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

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