

Description

- Origin :** Soy Evolution is obtained from defatted soybean flour, using Identity-Preserved (IP) raw materials as it pertains to Genetically Modified Organisms (GMO). The digestive enzyme system consists of a cascade of amino and endopeptidases in addition to a cysteine protease of plant origin. This peptone is unique in its manufacturing procedure, unlike any other peptone manufactured by Solabia.
- Context :** 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). This product is certified **Kosher DE**.
- Application :** the proprietary composition of this peptone allows the liberation of a large quantity of reducing sugars, which contribute to superior growth, especially in fermentation applications. Its development was traced using a recently developed in-house evaluation mechanism dedicated the evaluation and characterization of peptone performance.



Physical properties

Appearance : beige powder
 Stability (2% 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) : 3,0%
 N_α / N_T : 0.29
 Sulfuric ash : 12.0%
 pH (2% in solution) : 7.1
 Total carbohydrates : approx. 15.0 - 20.0%
 Chlorides (as NaCl) : 2.5%
 Loss on drying ≤ 6.0%

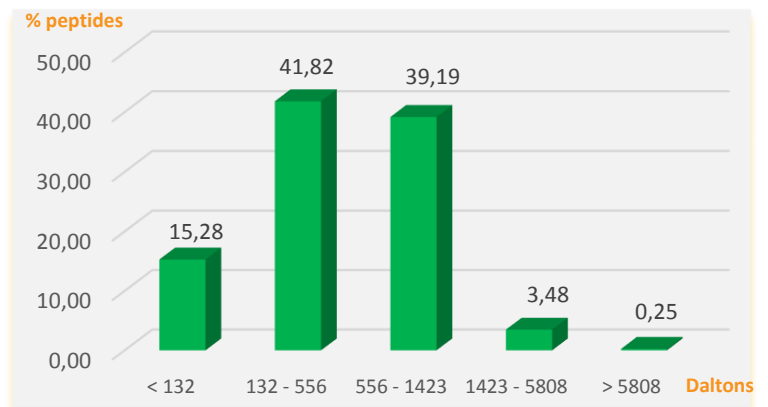
Amino acid (AA) distribution (mg/g)

	Free AA	Total AA		Free AA	Total AA
Aspartic acid	5,92	62,35	Methionine	2,26	9,01
Threonine	5,22	21,69	Isoleucine	6,32	25,03
Serine	6,28	26,53	Leucine	15,81	38,94
Glutamic acid	10,02	105,25	Tyrosine	6,26	18,78
Proline	2,09	25,49	Phenylalanine	8,84	26,28
Glycine	8,96	28,83	Histidine	2,03	12,37
Alanine	18,17	32,59	Lysine	8,14	34,07
Cysteine	0,25	9,25	Arginine	13,28	36,88
Valine	6,86	26,49	Tryptophan	< 0,01	5,66

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.

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%).

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.

OBSERVED MICROBIAL GROWTH POTENTIAL :

Growth curves in preparation

Kosher certification : *Orthodox Union*
Rabbi Menachem Adler, Administrator



Halal certification : HFFIA ; The Hague, Netherlands. Inquire with Solabia

Produced under **ISO 9001 v 2015** certification



Manufacturing site and quality system open to audits by qualified customers. Inquire with Solabia.

CoA available online : use product code **A166300** + lot number.

V. 07/2019

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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.