

Description

Origin : Bacteriological Malt Extract low pH is obtained by successive purifications of European (predominately French origin) barley such that all residual enzymatic activity is removed.

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 barley (Annex IIIa of the EU directive 2003/89/EC, updated with 2006/142/EC).

Application : Bacteriological Malt Extract is one of few peptones that is not used strictly for nitrogen content, but for its high level of carbohydrates and vitamins. In this fashion, Bacteriological Malt Extract enables a rapid growth of yeast and the sporulation of fungi such as *Aspergillus* and *Penicillium*.



Physical properties

Appearance : beige powder
 Odor : characteristic
 Stability (1.5% solution) : stable
 Solubility in water at 1.5% : total

Microbiological controls

Total aerobic mesophilic flora ≤ 5000 cfu/g

Chemical analysis

Maltose ≥ 70%
 Sulfuric ash ≤ 3.5%
 Loss on drying ≤ 6.0%
 pH (1.5% solution) : 4.9

Standard packaging

25 kg carton ; other formats inquire.
 Delivered with Certificate of Analysis, Certificate of Origin, GMO Attestations available.

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

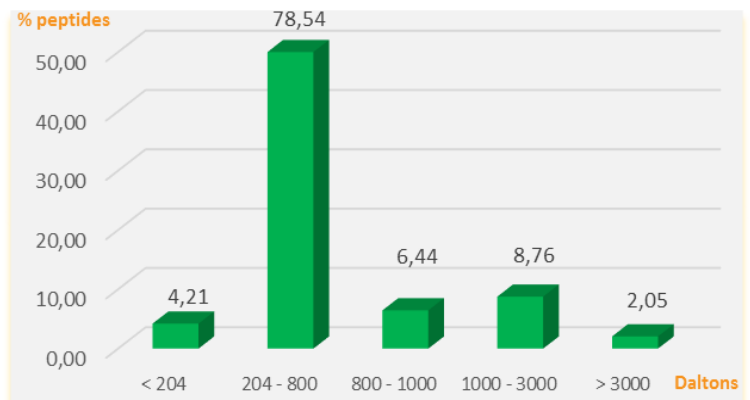
Sanitary / Regulatory statement

This plant peptone is classified animal-free by SOLABIA. 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%).

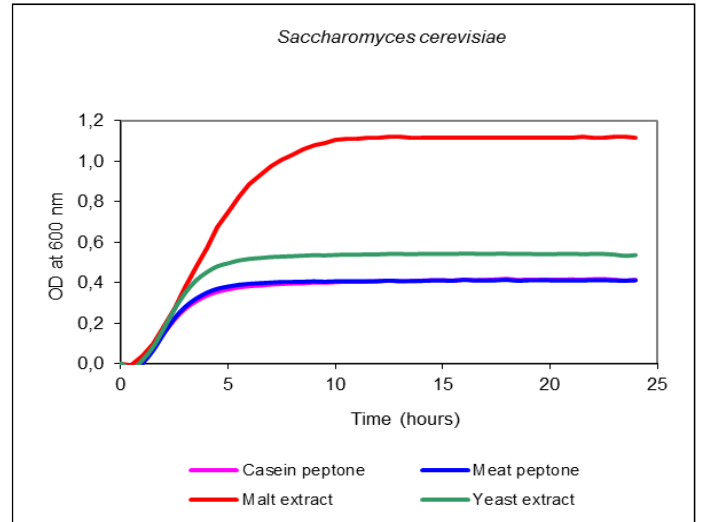
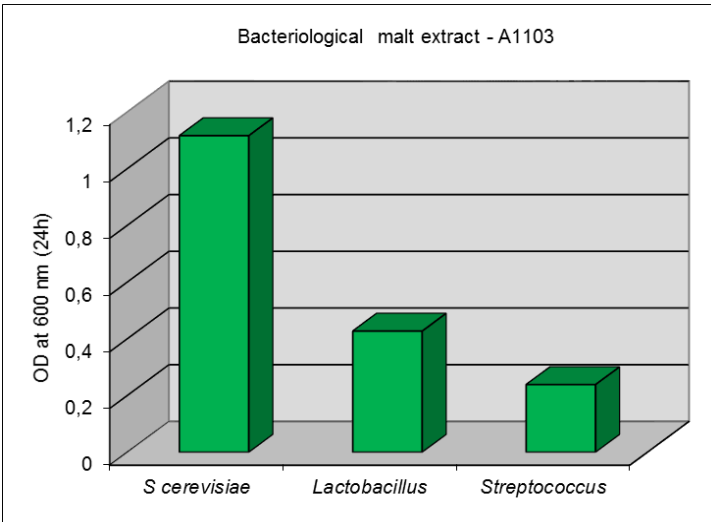
Amino acid distribution (mg/g)

	Total amino acids
Aspartic acid	9.0
Threonine	4.0
Serine	4.0
Glutamic acid	16.0
Proline	6.0
Glycine	4.0
Alanine	4.0
Cysteine	/
Valine	6.0
Methionine	2.0
Isoleucine	5.0
Leucine	6.0
Tyrosine	3.0
Phenylalanine	7.0
Histidine	6.0
Lysine	6.0
Arginine	5.0
Tryptophan	/

Molecular weight distribution (Daltons)

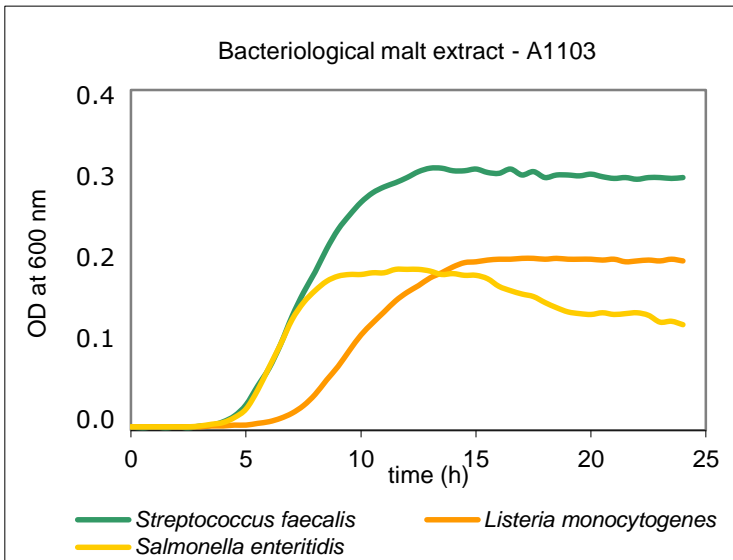


OBSERVED MICROBIAL GROWTH POTENTIAL



Inoculum 10^8 cfu / mL
Growth medium: 3 % peptone + 0.25 % glucose

Inoculum 10^6 cfu / mL
Growth medium : 3% peptone + 0.25 % glucose



Laboratory tests demonstrate excellent growth of yeasts, as well as many bacteria with this peptone. Applications in both diagnostics and fermentation. Results may differ for other genera & species.

Inoculum 10^2 cfu/mL
Culture medium: 1 % peptone + 0.5 % NaCl

Halal & Kosher certification : 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 **A110300** + lot number

V. 05/2019

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.