

Edition 2022/01

Guar Peptone G01 19621

Definition

Guar Peptone G01 is a water soluble peptone manufactured from natural guar protein purified by mechanical treatment (removal of guar gum attached to the germ). It's obtained through enzymatic hydrolysis with microbial enzymes.

Description

Fine beige powder soluble in water.

Guar Peptone G01 contains a mix of peptides and free amino acids.

Guar Peptone G01 is certified non allergen

Guar Peptone G01 is guaranteed "non GMO" according to the European Regulations 1829/2003 and 1830/2003.

Use

Source of organic nitrogen, which can be used:

- in media for industrial fermentation
 - in in vitro diagnostic
 - as a raw material for foodstuffs since Organotechnie is certified ISO 22 000 and has performed an HACCP study.
- However, we recommend that the customer ensures that this product is in compliance with local regulation in force, particularly in the countries where the finished product is to be consumed.

Physico-chemical characteristics

	Standard
pH (5 % solution)	5,5 - 6,4
Loss on drying	≤ 12 %
Total nitrogen TN	9,5 – 12,2 %
α-amino nitrogen AN	4,2 – 5.0 %
AN/TN x 100	34 – 52
Residue on ignition	≤ 12 %
Chloride (as NaCl)	≤ 5 %

Microbiology

	Standard
Total aerobic microbial count	≤ 5 000 /g
Coliforms	≤ 10 /g
<i>Escherichia coli</i>	Absence /g
<i>Salmonella</i>	Absence / 25 g
<i>Staphylococcus aureus</i>	Absence / 10 g
Yeast and molds	≤ 20 /g



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The information contained in this publication is based on our own research and development work and is to the best of our knowledge true and accurate.

Users should, however, conduct their own tests to determine the suitability of our products for their own specific purposes.

Statements contained herein should not be considered as a warranty of any kind, expressed or implied, and no liability is accepted for the infringement of any patents.

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Typical data

Amino Acids		Free (g/100g)
Alanine	Ala	1.1
Arginine	Arg	3.5
Aspartic Acid	Asp	1.2
Cysteine	Cys	0.8
Glutamic acid	Glu	3.2
Glycine	Gly	0.4
Histidine	His	0.7
Isoleucine	Ile	0.9
Leucine	Leu	1.6
Lysine	Lys	1.0
Methionine	Met	0.5
Phenylalanine	Phe	0.9
Proline	Pro	0.8
Serine	Ser	0.7
Threonine	Thr	0.6
Tyrosine	Tyr	0.6
Valine	Val	0.9

Documentation

The certificate of analysis and the sanitary certificate are supplied with each delivery.

Packing and storage

25 kg net corrugated board box with inner polyethylene bags.

Upon request: 5kg plastic drum

Keep in original packaging closed when not in use, at room temperature in a dry area.

Hygroscopic product.

Best before: 3 years

Health and safety information

Dusty powder.

Avoid inhalation.



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