

Edition 04/2008  
Replace Ed. 04/2005

# Gelatine Peptone N2 19532

## Definition

Gelatine Peptone N2 is manufactured by a controlled enzymatic hydrolysis of gelatine.

## Description

Fine cream powder easily soluble in water.  
Gelatine Peptone N2 contains a mix of peptides and free amino acids.

## Use

Source of organic nitrogen recommended in media for:

- Analytical microbiology
- Industrial fermentation.

## Physico-chemical characteristics

	Standard
Solubility in water at 5 %	Complete
pH (5 % solution)	6.5 - 7.5
Loss on drying	≤ 6.0 %
Total nitrogen TN	15.5 - 16.5 %
α-amino nitrogen AN	2.4 - 3.4 %
AN/TN x 100	14 - 22
Residue on ignition	≤ 8.0 %
Chloride (as NaCl)	≤ 5.0 %

## Microbiology

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



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Il est de la responsabilité des utilisateurs de conduire leurs propres tests pour déterminer les conditions d'utilisations selon leurs usages spécifiques.

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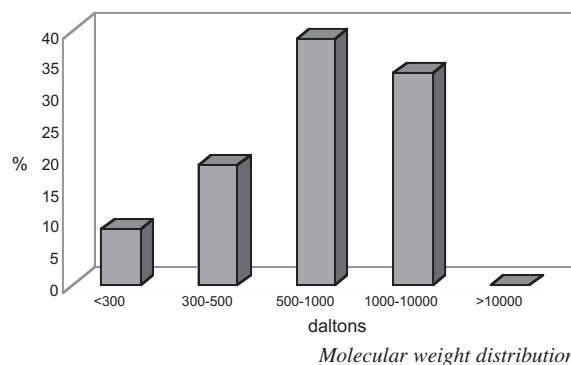


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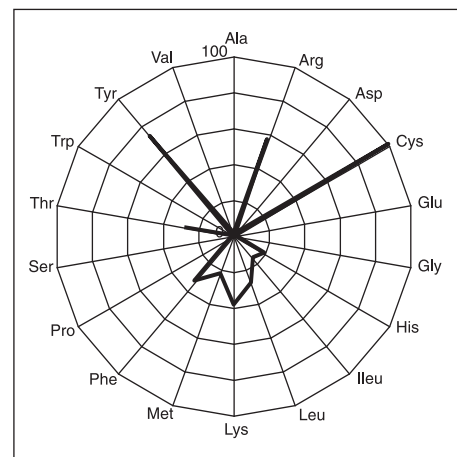
## Typical data

Molecular weight distribution	g / 100 g
> 10 000 daltons	0
1 000 - 10 000 daltons	33.5
500 - 1 000 daltons	38.8
300 - 500 daltons	18.9
< 300 daltons	8.9

**Average Molecular Weight**                      **1 111 daltons**



Amino Acids		Total - T (g/100 g)	Free - F (g/100 g)	F/T x 100
Alanine	Ala	7.6	0.1	1.3
Arginine	Arg	6.9	3.8	55.1
Aspartic acid	Asp	5.1	0.1	2.0
Cystine	Cys	0.1	0.1	100.0
Glutamic acid	Glu	8.7	0.1	1.1
Glycine	Gly	20.0	0.2	1.0
Histidine	His	0.5	0.1	20.0
Isoleucine	Ileu	1.1	0.2	18.2
Leucine	Leu	2.1	0.6	28.6
Lysine	Lys	3.3	1.3	39.4
Methionine	Met	0.9	0.2	22.2
Phenylalanine	Phe	2.1	0.7	33.3
Proline	Pro	11.1	0.1	0.9
Serine	Ser	3.2	0.1	3.1
Threonine	Thr	1.5	0.4	26.7
Tryptophan	Trp	0.0	0.0	0.0
Tyrosine	Tyr	0.7	0.5	71.4
Valine	Val	2.0	0.2	1.0



## 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: 5 kg plastic drum.

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

Hygroscopic product.

Best before: 5 years.

## Health and safety information

Dusty powder.

Avoid inhalation.

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