

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 |



Organotechnie® S.A.S.

27, avenue Jean Mermoz
93120 La Courneuve, France
Tél : +33 (0) 1 49 92 87 50
Fax : +33 (0) 1 49 92 87 51

e-mail : info@organotechnie.com
web : <http://www.organotechnie.com>



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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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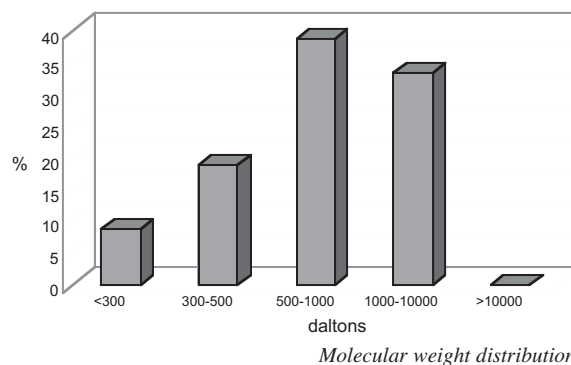


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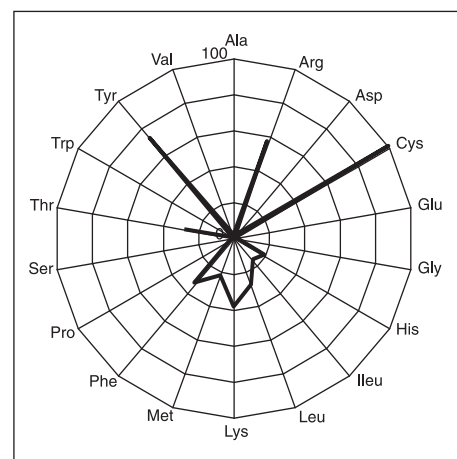
Typical data

| 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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