



TRYPTONE

Intended use

Peptone obtained by controlled enzymatic hydrolysis of casein, used in the preparation of microbiological culture media for diagnostic and industrial microbiology.
For laboratory use only.

DESCRIPTION

Tryptone is a product obtained by controlled enzymatic hydrolysis of casein. This protein hydrolysate is a highly concentrated mixture of amino acids, peptides and larger protein fractions. It is used as a microbiological nutrient for the preparation of diagnostic culture media and for the production of antibiotics, toxins, enzymes, and various other products.

Due to the outbreak of the BSE and the precautionary measures that were enforced thereafter and in particular within the pharmaceutical industry, Biolife distributes casein peptones obtained by milk proteins produced in unaffected countries such as New Zealand or Australia. Moreover, the raw materials come from milk intended for human consumption and comply with the requirements of the regulatory agencies

TYPICAL ANALYSIS

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| Appearance of powder | Beige, fine, homogeneous hygroscopic powder |
| Appearance of 2% solution | Pale yellow, limpid |
| Solubility in water | Complete |
| pH 5% solution (25 °C) | 6.5 - 7.5 |
| Loss on drying | ≤ 6,0% |
| Total nitrogen (TN) | 12,5 - 13,5 % |
| α-amino nitrogen (AN) | 3,0 - 4,0 % |
| AN/AT X 100 | 22 - 33 |
| Residue on ignition | ≤ 16% |
| Chloride as NaCl | ≤ 6% |
| Total aerobic microbial count | ≤ 10.000 CFU/ g |
| <i>Staphylococcus aureus</i> | Absent / 10 g |
| <i>Salmonella</i> | Absent / 25 g |
| <i>Escherichia coli</i> | Absent / 10 g |
| Coliforms | ≤ 10 UFC/g |
| Yeasts and moulds | ≤ 20 UFC/g |
| Performances in microbiological culture media | passes test |

STORAGE CONDITIONS

Keep tightly closed, away from bright light, in a cool dry place (+10°C to 30 °C and <60% RH).

PACKAGING

| | | |
|---------|------------------|--------------|
| 4122902 | Tryptone, | 500 g |
| 4122904 | Tryptone, | 5 kg |