

CondaLow Casein Peptone

Cat. 1636

Casein peptone with low endotoxin content.

Practical information

| Applications | Categories |
|--------------|-------------|
| Growth | General use |

Industry: Culture media ingredients / CondaLow

Principles and uses

CondaLow Casein Peptone is a pancreatic digest of casein. The controlled manufacturing process ensures a low endotoxin content.

This peptone is an excellent source of nutrients that meets the requirements of cell culture. It can be used in tissue culture media, vaccine and antibody production, and in an extensive BioPharma process.

Physical-chemical characteristics

| Description | Specification | Typical Analysis |
|---------------------|----------------|------------------|
| Amino nitrogen (AN) | $\geq 3,90\%$ | 4,20% |
| Total nitrogen (TN) | $\geq 10,00\%$ | 13,13% |
| Loss on drying | $\leq 6,00\%$ | 3,30% |
| AN/TN Ratio | N/A | 32,00 |
| Ash | $\leq 15,00\%$ | 6,00% |
| pH (2% solution) | 6,50-7,50 | 6,80 |

Elemental profile

| Descripción | Value |
|-------------|---------|
| Calcium | 0,019% |
| Magnesium | 0,0079% |
| Sodium | 2,10% |
| Potassium | 1,30% |

Amino acids

| | Total (g/100g) | | Total (g/100g) | | Total (g/100g) |
|---------------|----------------|---------------|----------------|------------|----------------|
| Glutamic acid | 18,74 | Isoleucine | 4,45 | Leucine | 7,62 |
| Proline | 8,65 | Phenylalanine | 4,11 | Alanine | 2,91 |
| Aspartic acid | 6,99 | Treonine | 3,91 | Histidine | 2,38 |
| Lysine | 6,60 | Arginine | 3,30 | Metionine | 2,32 |
| Valine | 5,51 | Glycine | 1,86 | Tryptophan | 0,95 |
| Serine | 5,08 | Tyrosine | 1,86 | Cystine | 0,44 |

Microbiological test

| Description | Specification |
|-----------------|---------------|
| Endotoxins | $< 0,200$ EU |
| Yeast and molds | < 100 CFU/g |

Coliforms
Standard plate count
Salmonella

Negative
<5.000 CFU/g
Negative

Storage

Temp. Min.:2 °C
Temp. Max.:25 °C