

CASEIN PEPTONE TYPE III

CAT. N°: 308

DESCRIPTION:

Casein Peptone Type III is a pancreatic digest of casein containing all the amino acids found in casein as well as larger peptide fractions. Its unique properties of digestion and high phosphate content make it the hydrolysates of choice of many organisms.

CHEMICAL CHARACTERISTICS

SPECIFICATIONS

TYPICAL ANALYSIS

| CHEMICAL CHARACTERISTICS | SPECIFICATIONS | TYPICAL ANALYSIS |
|--------------------------|----------------|------------------|
| Amino Nitrogen (AN) | Minimum 3.9% | 4.0% |
| Total Nitrogen (TN) | Minimum 10% | 13.20% |
| AN/TN Ratio | 39.0% | 30.0% |
| Loss on drying | Maximum 6.0% | 3.2% |
| Ash | Maximum 15.0% | 8.0% |
| pH (2% solution) | 6.5 - 7.5 | 7.1 |

ELEMENTAL PROFILE

| | |
|-----------|---------|
| Calcium | 0.0185% |
| Magnesium | 0.009% |
| Potassium | 0.6% |
| Sodium | 3.5% |

GROWTH SUPPORTING PROPERTIES

| | |
|--------------|--------------|
| Peptone agar | Satisfactory |
|--------------|--------------|

MICROBIOLOGICAL ANALYSIS

| | |
|----------------------|----------------------|
| Standard plate count | Less than 5000 CFU/g |
| Yeasts and molds | Less than 100 CFU/g |
| Coliforms | Negative |
| Salmonella | Negative |