

Casitose

Cell Culture Tested

Product Code: TC370

Product Description:

Casitose is prepared by controlled enzymatic hydrolysis of milk protein casein. The process of hydrolyses breaks down the protein to short peptides and free amino acids. The easy availability of amino acids makes it an ideal supplement for use in cell culture.

Quality Control:

Appearance

Off-white to light yellow homogenous free flowing powder

Solubility

Freely soluble in water, insoluble in alcohol and ether

pH (2% w/v aqueous solution)

6.50 - 7.50

Total Nitrogen

NLT 11.0%

Amino Nitrogen

NLT 4.0%

Sodium chloride

NMT 5.0%

Loss on Drying

NMT 5.0%

Residue on Ignition

NMT 11.0%

Cell Culture Test

The growth promotion capacity of casein enzyme hydrolysate (CEH) is assessed by supplementing an appropriate medium with test CEH and qualitatively analyzing the cells for the morphology and quantitatively by estimating the cell counts.

Microbial Tests:

1. Total Aerobic Microbial Count (cfu/gm)

By plate method when incubated at 30-35°C for not less than 3 days

Bacterial count: NMT 2000 CFU/gram

2. Total Yeast and Mould Count (cfu/gm)

By plate method when incubated at 20-25°C for not less than 5 days

Yeast and mould count: NMT 100 CFU/gram

3. Test for Pathogens

Organism	Result (in 10g sample)
<i>Escherichia coli</i>	Negative
Salmonella species	Negative
<i>Pseudomonas aeruginosa</i>	Negative
<i>Staphylococcus aureus</i>	Negative
<i>Candida albicans</i>	Negative
Clostridia	Negative

Storage and Shelf Life:

Hygroscopic powder.

Store at room temperature in air tight container in dry area.

Protect from light and moisture.

Use before expiry date given on product label.

Revision: 2/2018

Disclaimer:

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