

MEBEP TECH(HK) Co., Limited

Email: sales@mebep.com Website: www.mebep.com

Tel: +86-755-86134126 WhatsApp/Facebook/Twitter: +86-189-22896756

Coagulase

Product Number: CLE2000

Shipping and Storage

1. Transportation: By air or Refrigerated sea transportation.

2. Storage: Cold storage (2°C~8°C), avoid exposure to light.

3. Shelf life: 2 year with cold storage.

4. Package: 25kg /drum.

Description

Coagulase is derived from the Kluyveromyces lactis strain. It's a food grade enzyme which produced from submerged fermentation. The clotting of milk by coagulase can be divided into two stages. First, the enzyme specific hydrolysis the peptide bond in Phe105-Met106 from k-casein polypeptide chain in milk to form stable para-k casein. Second, para-k casein, α -casein and β -casein will precipitate to form clotting with the action of Ca+2.

Application

This product is mainly used in cheese processing, which can make milk clotting.

Features

- 1. Appearance: White to light brown powder.
- 2. Standard enzyme activity: 20,000 IMCU/g.
- Enzyme activity definition: Under the same chemical and physical conditions, the time required for the coagulase sample to
 produce visible clots in the standard milk which contain 0.5g/L calcium chloride (pH≈6.5), compare with the standard enzyme
 powder with known clotting activity.
- Product standard: GB1886.174-2024 < National Food Safety Standard-Food Additives-Enzyme Preparations For Food Industry>.

Protocol

Add 2.25-2.5g Coagulase in 1000L milk, stir fully, waiting for 25-30 minutes at 32°C, then the milk will coagulate to meet the requirement of clotting.