

Rhizo-Lac (Rhizo-Lac)

Granulated microbial rennet enzyme 2250 IMCU/G

Composition:

Microbial rennet enzyme (derived from the fungus *Rhizomucor miehei*) and sodium chloride.

Microbial rennet enzyme is a milk-coagulating agent intended for use in cheese-manufacturing plants. It replaces the analogous animal-derived rennet enzyme. During the fermentation process, it acts using purified, pathogen-free fungus *Rhizomucor miehei*.

Specification:

Complies with standard: GB/T 1886.174-2016 (Enzymes for food industry use)

Characteristics:

Granulated microbial rennet enzyme 2250 IMCU/g is slightly salty, stable, and water-soluble; slightly soluble in ethanol, chloroform, or ethyl ether.

It demonstrates excellent coagulation ability, very similar to the corresponding type of calf rennet (chymosin) endopeptidase.

Enzyme activity depends on processing conditions, milk composition, calcium concentration, pH level, and temperature.

The microbial enzyme is particularly suitable for vegetarians.

Does not contain GMOs or allergens.

The final product has a pleasant aroma and taste characteristic of dairy products.

Used in the production of all types of cheese with a maturation period of up to 4 months.

Cheese produced with this enzyme has good shelf stability.

Dosage:

Microbial rennet enzyme 2250 is measured in International Milk Clotting Units (IMCU).

Recommended dosage: 30–60 IMCU per liter of milk, which equals 13.33–26.66 g per 1000 liters of milk for industrial production.

For household use: 1 g of enzyme is sufficient for coagulating 40–80 liters of milk, depending on milk quality.

The product should first be dissolved in pasteurized, cooled, non-chlorinated water. Then add to milk and stir for 5 minutes.

Packaging:

1 g triple-layer sachets and 500 g polyethylene bottle.

Shelf life and storage conditions:

Shelf life: 2 years.

Store in a cool, dry place protected from sunlight at a temperature not exceeding 20–25°C.

Improper storage conditions may reduce enzyme activity.

Manufacturer:

LLC Biotecsi, Georgia