



Product Specification # 34-62-1.4

Tanzyme Natural Pancreatic Bate

Double Strength

Product Description

A liquid extract of ovine pancreas containing active proteolytic and lipolytic enzymes for the bating of hides and pelts, available as double strength.

Manufacture

Tanzyme bate is prepared by extracting the soluble enzymes from pancreas glands, into a concentrated and stabilised liquid solution.

Strength

The preparations are standardised against Benzoyl-L-Arginine Ethyl Ester (BAEE), a specific trypsin substrate.

Double Strength Tanzyme is standardised to an activity of 108,000 BAEE Units/mL.

How to use

Tanzyme liquid bate is suitable for direct addition to the float during fellmongering. Mildly alkaline conditions (pH 7 to 9) promote the most rapid effect.

Use rates of approx. 0.05% (v/w) on pelts and approx. 0.03% on hides produce the characteristic bating effect.

Storage

Store in a cool place

Stability

The product displays excellent stability when stored at below +10°C. At higher temperatures a decreased stability may be observed. There may be some slight settling on standing, however this is not detrimental to performance.

Availability

Tanzyme bate is produced in New Zealand by Renco New Zealand. It is available in 20L cubes or 200L drums. Other pack sizes are available on request.

Handling

The product can be used with manual or automatic dosing systems. Handle carefully - use gloves and safety glasses. Avoid contact with skin and eyes. Do not ingest. Wash spills with plenty of cold water (see attached materials safety data sheet).

Animal Origin

This product is manufactured from ovine pancreas without the addition of microbial or fermentation produced enzymes. All tissue is derived from animals subject to ante and post mortem inspection and found to be free from disease.

Certification

Each batch of baste is analysed and certified to a constant proteolytic activity at the time of dispatch. Batch specific certificates of analysis are available.

Protease Activity: Double strength 108,000 \pm 5% against BAEE (trypsin)

1 Unit is the amount of activity producing a change in absorbance of 0.001 per minute at 253 nm, pH 8.0 and 25°C using BAEE (N α -Benzoyl-L-Arginine Ethyl Ester).

Lipase: Lipolytic activity is not standardised, but generally falls in the range 350 to 400 units per mL (double strength).

1 Unit is the amount of activity that releases 1.25 μ mole of butyric acid from tributyrin per minute at pH 8.0 and 42°C.

pH: 4.20 \pm 0.25