

VERON[®] P

Description and Specification

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Description

VERON[®] P is a bacterial protease enzyme preparation for the treatment of flours. The enzyme is obtained from specific cultures of *Bacillus subtilis*.

- IUB-No.: 3.4.24.28
- CAS-No.: 9001-92-7

Properties

The product has the following characteristics:

- a) solid product
- b) light beige coloured with characteristic smell

Activity

VERON[®] P contains a declared minimum activity of 40 U_{Hb} g⁻¹.
1 U_{Hb} corresponds to that enzyme activity which releases the equivalent of 1 μmol tyrosine in TCA-soluble hydrolysates from haemoglobin within one minute and 37 °C under standard conditions.

Application

VERON[®] P can be applied to standardize flour. Even flour rich in protein can be used to manufacture long life confectionery. In biscuit and cracker-making VERON[®] P serves short dough resting times and final products with improved quality like pleasant brown color, smooth surface, round edges and products of the desired packaging size and weight. Just as VERON[®] P can be applied to obtain the desired extensogram and alveogram values in the mill industry.

Dosage

100 - 500 g / 100 kg flour for Biscuit and cracker manufacturing

5 – 10 g / 100 kg flour for flour treatment in the mill industry.

The optimum dosage should be determined by means of baking tests.

Specification

The product fulfils the requirements of the FAO/WHO's Joint Expert Committee for Food Additives (JECFA) and Food Chemicals Codex (FCC).

The total viable counts are within the upper limit of $5 \times 10^4 \text{ g}^{-1}$
E.coli: $<10 \text{ g}^{-1}$ (according to method ISO 7251:1993)

Storage

Stored in a dry place at room temperature the activity loss will be less than 10 % within one year.

Handling

When handling enzyme products in powder form, direct skin contact and dust formation should be avoided. Enzymes may irritate the skin and eyes; the inhalation of enzyme dust may provoke sensitisation of the respiratory organs.

For further details on the safe handling of our products, please consult our safety data sheet and the technical information sheet "Precautionary measures when handling enzyme products in powder form."