

VERON® HPP

Description and Specification

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Description

VERON® HPP is a specific functioning bacterial protease preparation to be used for long life bakery products, e.g. cookies and crackers. The enzyme is derived 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® HPP contains a declared minimum activity of 1116 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® HPP is typically used to manufacture long life confectionery products. In biscuit and cracker-production VERON® HPP provides reduced dough resting times, with improved dough extensibility and dough handling. The final products do have an improved quality, e.g. pleasant brown color, smooth surface, round edges and products of the desired packaging size and weight.

Dosage

5 – 15 g / 100 kg flour and depends on the formulation of the cookies or crackers.

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."