

# VERON® NDL

## Description and Specification

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### Description

VERON NDL is a xylanase preparation with additional genetically modified lipolytic activity for the treatment of flours. The xylanase is obtained from specific cultures of *Aspergillus niger*.

- IUB-No.: 3.2.1.8
- CAS-No.: 9025-57-4

### Properties

The product has the following characteristics

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

### Activity

VERON® NDL contains a declared minimum activity of 1701 XylIH g<sup>-1</sup>.  
1 XylIH corresponds to that enzyme activity which releases from xylan a quantity of reducing groups equivalent to 1 µMol xylose / min. at 30 °C under standard conditions using the hydrazid method.

### Application

VERON® NDL is used for the treatment of wheat flour-based noodle products and pasta. Flours treated with VERON® NDL during the noodle manufacturing process ensure:

- whiter colour of noodle and reduced speckiness
- increased firmness ("bite") of cooked noodles and pasta
- increased cooking tolerance and reduced stickiness
- better colour stability of fresh undried noodles
- less oil absorption (in deep fried instant noodle process)

### **Dosage**

10 – 20 g / 100 kg flour      The optimum dosage should be determined for each flour quality by noodle or pasta 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."