



# DELTAZYM® BNP

## Product Specification Sheet

Date of issue: 1 March, 2019

### Bacterial neutral protease

**Description:** DELTAZYM® BNP is a bacterial neutral protease from a selected strain of *Bacillus amyloliquefaciens*. The product also contains significant amounts of  $\alpha$ -amylase and  $\beta$ -glucanase. DELTAZYM® BNP is manufactured to comply with recommended purity specifications given by the Joint FAO/WHO Expert Committee on Food Additives (JECFA) and conforms to Food Chemical Codex recommended specifications for Food Enzymes.  
DELTAZYM® BNP is a clear brown liquid stabilised with glycerol.

**Application:** DELTAZYM® BNP can be used in starch processing to hydrolyse proteins present in the starch slurry at neutral pH, to decrease viscosity and to improve filtration. The product has efficient activity from pH 5.5 to 7.5

**Activity:** DELTAZYM® BNP activity is not less than 50 000 NP Units per gram

|                             |                       |                |
|-----------------------------|-----------------------|----------------|
| <b>Chemical properties:</b> | Specific Gravity:     | 1.10–1.20 g/ml |
|                             | pH:                   | 4.5–6.0        |
|                             | Heavy Metals (as Pb): | ≤ 30 mg/kg     |

|                                    |                   |                    |
|------------------------------------|-------------------|--------------------|
| <b>Microbiological properties:</b> | Total plate count | ≤ 50 000 CFU per g |
|                                    | Yeasts & Moulds   | ≤ 1 000 CFU per g  |
|                                    | Total Coliforms   | ≤ 30 CFU per g     |
|                                    | Salmonella        | absent in 25 g     |
|                                    | Escherichia coli  | absent in 25 g     |

**Packaging and Storage:** DELTAZYM® BNP is available in 25 kg polyethylene drums and in 1000 kg IBC. When stored in the original and unopened packaging under the recommended refrigerated conditions (at 4–8 °C), the product shelf life is 24 months.

Made by WeissBioTech GmbH, Germany

To the best of our knowledge, the information contained herein is accurate and complete. However, nothing herein contained shall be construed to imply any warranty or guarantee.