



Pancreatin 4XNF - P211P/4

- Mixed amylase, lipase and protease
- Excellent mixed activity digestive aid
- Standardised for convenience
- Capsulation or tableting

Enzymes secreted naturally by the pancreas breakdown the major components of food (starch, fat and protein) into simpler substances that can be absorbed and used for energy, renewal and growth.

Pancreatin 4XNF is an ideal mixed enzyme system that can be formulated to be taken orally to augment the endogenous enzymes and aid digestion generally.

Pancreatin 4XNF is a standardised preparation that is convenient for tableting or capsulation. Because these principal enzymes are rapidly inactivated at pH values below 3.0 pancreatin-based digestive aids must be taken with food.

SPECIFICATION

Activity	4 times USP-NF Pancreatin
Biological Source	Porcine pancreas
Form	Off white to light brown powder
Working pH	7.5 - 8.0
Temperature range	40°C

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APPLICATION & DOSAGE

The United States Pharmacopoeia National Formulary (USP-NF) defines 1 NF Pancreatin as containing the following activities:

Amylase	25 USP units/mg
Lipase	2 USP units/mg
Protease	25 USP units/mg

Pancreatin 4XNF contains 4 times these activity minima. Typical formulations will contain up to 250 mg Pancreatin 4XNF per capsule or tablet.

HEALTH AND SAFETY

Always read the Health and Safety sheet (MSDS) before use and retain. If you are in any doubt about recommended product handling and safety, please contact Biocatalysts before use. Generally, when using enzymes avoid contact with the skin and eyes and do not breathe dusts or aerosols containing them.

STORAGE

Activity will remain above the minimum analysis specification for at least 12 months from the date of the Batch Certificate of Analysis, when stored below 20°C and for 24 months when stored below +8°C.

ALLERGENS

This porcine pancreatic enzyme does not contain any of the major allergens.

FOOD STATUS

Prepared from enzymes of GRAS status and manufactured to JECFA/WHO/FAO/FCC recommended specifications for enzymes used in food processing.

QUALITY

1. Food Safety Policy

The company operates a Hazard Analysis at Critical Control Points (HACCP) system. This ensures that ingredients and the production environment are regularly monitored for contamination and that the processes are designed to produce safe products every time.

2. Good Manufacturing Practice (GMP)

The company's integrated management system encompasses Total Quality, Health and Safety, Food Safety and GMP.

3. ISO9001

Biocatalysts Ltd is certified to BS ISO9001: 2000. Regular Audits are carried out by the British Standards Institute (BSI) to ensure continuing compliance with the standard.

AVAILABILITY

Powders: standard 25kg nett poly-lined fibre kegs. Non-standard quantities of 1kg and 5kg are also available for some products, please enquire.

The production micro-organism used in this product is not a GMO. Within the proposed guidelines of the European Union regarding Genetically Modified products, the above product would be classed as GMO free.

