

Neova Technologies Inc. manufactures a pancreatin formulation known as Trypsin SE effective for use in digestive aid supplements. For individuals with proteolytic enzyme deficiencies, digestive aids may help with digesting proteins, starches and lipids.



Sourced from government certified pork pancreas, this product contains a variety of pancreatic enzymes including trypsin, chymotrypsin, elastase, carboxypeptidase B, amylase, and lipase. With this enzymatic profile, Trypsin SE is able to hydrolyse proteins, starches, and lipids using the same natural process as the human digestive system, making it applicable for use in digestive pharmaceuticals and food applications.

All extraction and refining is done under GMP guidelines at Neova Technologies Inc. facility in Abbotsford, British Columbia, Canada. Trypsin SE is able to hydrolyse proteins, starches, and lipids using the same natural process as the human digestive system, making it applicable for use in digestive pharmaceuticals and food applications. All extraction and refining is done under GMP guidelines at Neova Technologies Inc. facility in Abbotsford, British Columbia, Canada

In mammals, these digestive enzymes are secreted from the pancreas in their inactive forms (zymogens) and activated in the duodenum by trypsin.

At Neova Technologies Inc., the enzymes are extracted from pork pancreas and converted into their active forms during processing for Trypsin SE.

A preparation of pancreatin is defined by three enzyme activities: protease, amylase and lipase. Protease activity is contributed to by trypsin, chymotrypsin, elastase, carboxypeptidase B and other enzymes. This combination of exo and endopeptidases results in a highly robust hydrolytic profile.

Trypsin SE is effective for use in digestive aid supplements. For individuals with proteolytic enzyme deficiencies, digestive aids may help with digesting proteins, starches and lipids.

Preparations are available in lyophilized (freeze-dried) powder and range in colour from and off-white to light beige.

Applications

- Pharmaceuticals for digestive disorders
- Treatment of indigestion from diabetes
- Improve digestibility of food.

Product Details

Packaging: 5kg boxes, 25kg drums
Form: Light brown

Technical Information

Usage Information

Digestive pharmaceuticals using Neova Technologies Inc. Trypsin SE (Pancreatin)

Digestive enzyme supplements containing pancreatin are often formulated with 100 mg of 10x USP Pancreatin (approximately 25,000 USP Protease units) per tablet.

Recommended dosage is often one to three tablets daily taken with meals.

Ingredient Declaration

Porcine Enzyme
Sugar

KEY PERFORMANCE PARAMETERS	MIN	MAX	UNITS
Protease Activity ¹	270	350	USP units/mg
pH (10% Solution)	5	7	
Protein Content	30	70	%

¹ Products with various protease activities are available upon request

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MICROBIOLOGICAL DATA

Standard Aerobic Plate Count	<5x10 ³	CFU/g
Total Yeast & Mold Count	<1x10 ²	CFU/g
<i>Escherichia coli</i>	Not Detected	in 25g
<i>Salmonella</i>	Not Detected	in 25g
<i>Staphylococcus aureus</i>	<100	CFU/g
<i>Bacillus cereus</i>	<100	CFU/g
Enterobacteriaceae	<10	CFU/g

SHELF LIFE & STORAGE

2 years from date of manufacture when stored at room temperature in original packaging.

AVOID EXCESSIVE HEAT AND PROTECT FROM MOISTURE AND SUNLIGHT.

PACKAGING

5kg in boxes - **25kg** in drums

ADDITIONAL SIZES AVAILABLE UPON REQUEST

ALLERGEN DATA

Dairy/Dairy Derivatives	Absent
Egg/Egg Derivatives	Absent
Soy/Soy Derivatives	Absent
Wheat/Wheat Derivatives	Absent
Peanuts/Peanut Derivatives	Absent
Treenuts/Treenut Derivatives	Absent
Fish/Fish Derivatives	Absent
Shellfish/Shellfish Derivatives	Absent