

SPECIFICATION

α -Amylase

Porcine Pancreas

GENERAL INFORMATION

Catalogue Number	122-20	Storage Temperature	-20°C
E.C. Number	3.2.1.1	Storage Note	Protect from moisture
CAS Number	9000-90-2	Shipping Note	Cold packs
Synonym	Alpha Amylase, Amylase		
Molecular Weight	~59,000		

PRODUCT INFORMATION

Source	Porcine pancreas
Form	Lyophilized from Tris Chloride, Mannitol, pH 7.2
Appearance	White to almost white powder
Activity	≥ 70 U/mg solid
Unit Definition	One unit catalyzes the hydrolysis of one micromole of 2-chloro-4-nitrophenyl- α-D-maltotrioxide to yield 2-chloro-4-nitrophenol per minute at 37°C.
Protein	≥ 0.4 mg protein/mg solid (Coomassie)
Specific Activity	≥ 100 units/mg protein
Contaminants	Lipase ≤ 0.5%
	Protease ≤ 1%
Ammonia	≤ 0.1 micromole/mg
Recertification	3 years from date of manufacture

HANDLING INFORMATION

Handling	Handle as a potentially hazardous substance.
Advice	Aliquot and freeze at -20°C after reconstitution.
Storage	Reconstitute in provided container and centrifuge to ensure recovery.

The animal source of this product was collected at a USDA licensed establishment. The animals received ante and post mortem health inspection at the abattoir by a US FSIS inspector and they were apparently free from infectious and contagious diseases. This product is intended for research, laboratory use, or further manufacturing. It is not for human use.

