Alpha-Amylase

Product Name	Alpha-Amylase
Source	Porcine Pancreas
Catalogue Number	C3ADFA, 5 000 U C3ADFB, 25 000 U
Purity	Purified
Form	Lyophilized
Activity	≥ 70 U/mg (Dimension® Clinical Chemistry System)
Unit Definition	One unit will catalyze the hydrolysis of one micromole of 2-chloro-4-nitrophenyl-a-D-maltotrioside to yield 2-chloro-4-nitrophenol per minute at 37°C.
Protein	≥ 0.4 mg protein/mg (Coomassie)
Specific Activity	≥ 100 U/mg protein
Contaminants	Lipase: ≤ 1.0% Protease: ≤ 1% Ammonia: ≤ 0.1 micromole/mg
Formulation	Lyophilized from tris chloride and mannitol, pH 7.2
Appearance	Off-white to white powder
Storage	-20°C
Recertification	3 years
Synonyms	1,4-alpha-D-Glucan-glucanohydrolase, amy2, PPA, PA
Molecular Weight	~54,000
CAS Number	9000-90-2
E.C. Number	3.2.1.1
Gene	AMY2
Gene ID	397397
Accession No	P00690