

Product Datasheet

a-Amylase, Human Pancreas 120-15

Product Name	a-Amylase, Human Pancreas
Catalog Number	120-15
Alternative Names	Amylase, a-Amylase, 1,4-a-D-glucan glucanohydrolase, glycogenase
Brand	Lee Biosolutions
Form/Appearance	Liquid Clear, colorless to light yellow liquid
Concentration	≥ 1.0 mg protein/mL (A_{280} , $E^{0.1\%}=2.33$)
Storage	2-8° C
Purity	High Purity
CAS Number	9000-90-2
Source	Human Pancreas
Buffer	0.2 micron solution in 100 mM tris chloride, 150 mM sodium chloride, 0.05% Proclin and 1 mM calcium chloride, pH 7.5.
Shelf Life	2 years
Biological Activity	≥ 400 U/mL (Siemens Dimension® Clinical Chemistry System)
Content	Lipase: $\leq 0.05\%$ GOT/AST: $\leq 0.01\%$ ALP: $\leq 0.01\%$ Protease: $\leq 0.01\%$
Specific Activity	≥ 100 U/mg protein
Unit Definition	One unit will catalyze the hydrolysis of one micromole of 2-chloro-4-nitrophenyl-a-D-maltotrioxide to yield 2-chloro-4-nitrophenol per minute at 37°C.