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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: ≤ 0.05% GOT/AST: ≤ 0.01% ALP: ≤ 0.01% Protease: ≤ 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-maltotrioside to yield 2-chloro-4-nitrophenol per minute at 37°C.