

Product Datasheet

a-Amylase, Human Pancreas 120-15

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| 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. |