

## SPECIFICATION

### $\alpha$ -Amylase Human Saliva

---

#### GENERAL INFORMATION

---

Catalogue Number	120-17	Storage Temperature	-20°C
Lot Number	Report	Storage Note	NA
CAS Number	9000-90-2	Shipping Note	Dry ice
EC Number	3.2.1.1		
Synonyms	Alpha Amylase, Amylase		

---

#### PRODUCT INFORMATION

---

Source	Human saliva
Form	0.2 micron filtered solution in 10 mM Trizma <sup>®</sup> chloride, pH 7.5
Appearance	Clear, colorless liquid
Activity	$\geq 2,000$ U/mL (Dimension <sup>®</sup> Clinical Chemistry System)
Unit Definition	One unit will catalyze the hydrolysis of one micromole of 2-chloro-4-nitrophenyl- $\alpha$ -D-maltotrioside to yield 2-chloro-4-nitrophenol per minute at 37°C.
Protein	$\geq 1.0$ mg protein/mL (Coomassie)
Specific Activity	$\geq 200$ U/mg protein
Purity	$\geq 90\%$ (SDS-PAGE)
Lipase	$\leq 0.05\%$
Protease	$\leq 0.1\%$
Calcium	$\leq 3$ mg/MU
Recertification	Two years from date of manufacture

---

#### HANDLING INFORMATION

---

Advice	Use aseptic technique when handling this product. Centrifuge to ensure full recovery.
Handling	Handle as a potentially hazardous substance.

---

Non-infectious disease statement: Negative or non-reactive at the donor level for anti-HIV 1 and 2, anti-HCV, and HBsAg by FDA approved methods. However, because no test method can offer complete assurance that infectious agents are absent, this material should be handled at the Biosafety Level 2 (BSL 2) as recommended for any potentially infectious human serum or blood specimen in the CDC/NIH manual "Biosafety in Microbiological and Biomedical Laboratories", 2009. This product is intended for research, laboratory use or further manufacturing. It is not for administration to humans. We certify this to be true to the best of our knowledge. The statements herein are offered for informational purposes only and are intended to be used solely for your consideration, investigation and verification. The suitability of this product for each application must be determined by each end user.

