



SPECIFICATION SHEET

Important Note: Centrifuge before opening to ensure complete recovery of vial contents.

Catalog #: A38211H **Lot #:** 12H21510

Description: Human Saliva Amylase alpha
Amylase alpha, Human Saliva

Contaminants:

Lipase: <0.001%
Proteases: <0.001%
Ammonia: <0.012 Umole/mg

Source: Human Saliva

Format: Purified, Lyophilized
Reconstitute with Tris saline or other buffer to desired concentration.

Purification: >90% pure (SDS-PAGE)

Concentration: Protein: 0.18mg Protein/mg powder (Coomassie)
Activity: 106.2 Units/mg powder @ 37°C
Specific Activity: 590 Units/mg Protein
One unit will catalyze the hydrolysis of one micromole of malto pentaose, which through coupled reactions results in the formation of 5 micromoles of glucose-6-phosphate per minute at 37°C. Measured at 340nm as an equimolar amount of NADH produced by a coupled reaction.

Buffer: Lyophilized from 150mM Sodium chloride, 20mM Tris, 1mM Calcium chloride, pH 7.2

Preservative: None

Applications: Specific methodologies have not been tested using this product.

Storage: Store lyophilized product at -20°C. After reconstitution, aliquot and store at -20°C. Avoid multiple freeze/thaw cycles.

Inactivation: Not applicable

Warnings: The donors of the source materials have tested negative for HIV1, HIV2, HCV antibodies and HBsAg, HIV-1 Antigen and Syphilis. No test guarantees a product to be non-infectious. Therefore, all material derived from human fluids or tissues should be considered as potentially infectious.

FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES.