

CERTIFICATE OF ANALYSIS

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

Catalog #: A38211H **Lot #:** 17B03521

Description: Human Saliva Amylase alpha
Amylase alpha, Human Saliva

Contaminants:

Lipase: <0.1%
Proteases: <0.1%
Ammonia: <0.1 µmole/mg

Source: Human Saliva

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

Purification: ≥ 90% pure (SDS-PAGE).

Concentration: Protein: 0.25 mg Protein/mg Powder (Coomassie)
Activity: 130 Units/mg Powder @ 37°C
Specific Activity: 530 Units/mg Protein
One unit will catalyze the hydrolysis of one micromole of 2-chloro-4-nitrophenyl-alpha-D-maltotrioxide, which through coupled reactions results in the formation of 2-chloro-4-nitrophenol per minute at 37°C. Measured at 340nm as an equimolar amount of NADH produced by a coupled reaction.

Buffer: Lyophilized from Tris Chloride/Mannitol, 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

Safety Note(s): Refer to appropriate Safety Data Sheet (SDS) for additional information.

Quality Signature:



16 MAR 2021

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY