



RayBiotech, Inc.

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Certificate of Analysis and Data Sheet Human Saliva, Amylase alpha

Catalog No.
MD-14-0010P

Source:
Human Saliva

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

**The products are furnished for LABORATORY RESEARCH USE ONLY.
Not for diagnostic or therapeutic use.**