



ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-02-22 13:32:58

Date of Next Testing: 2026-02-22 13:32:58

Product Name:  **$\alpha$ -Amylase**

CAS Number: 9000-90-2

Specifications & Purity: Bioactive, ActiBioPure™, High Performance, EnzymoPure™,  $\geq 135$  KNU/g; from Bacillus licheniformis

Lot #: B2513238

SKU #: **A109182**

Version: **1**

**Analysis #:** **450026**

Storage Temperature: Store at 2-8°C, Argon charged

| Parameter                                         | Limit Values                | Result                    |
|---------------------------------------------------|-----------------------------|---------------------------|
| Enzymatic Activity                                | $\geq 2100$ (IU/g OR u/g)   | 34500.00000 IU/g OR u/g   |
| Preservation rate of enzyme activity (six months) | $\geq 85$ (%)               | 86.00000 %                |
| Water by Karl Fischer                             | 0-8 (%)                     | 3.40000 %                 |
| Calcium ion concentration                         | 148-152 ( $\mu\text{g/g}$ ) | 150.00000 $\mu\text{g/g}$ |
| Appearance (A109182)                              | Yellow to tan liquid        | Yellow to tan liquid      |

John Su  
QA & QC Manager