

## Certificate of Analysis

Date of Testing: 2024-08-22 14:31:29  
Date of Next Testing: 2026-08-12 14:31:29  
Product Name:  **$\alpha$ -Amylase**  
CAS Number: 9000-90-2  
Specifications & Purity: BR  
Lot #: K2204192  
SKU #: **A109182**  
Version: **0**  
Analysis #: **402995**  
Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Enzymatic Activity	$\geq 2100$ (IU/g OR u/g)	37400.00 IU/g OR u/g
Preservation rate of enzyme activity (six months)	$\geq 85$ (%)	95.00 %
Water by Karl Fischer	0-8 (%)	6.30 %
Calcium ion concentration	148-152 ( $\mu\text{g/g}$ )	149.60 $\mu\text{g/g}$
Appearance (A109182)	Yellow to tan liquid	Yellow to tan liquid



John Su  
QA & QC Manager