

## Certificate of Analysis

Date of Testing: 2022-11-14 16:11:18  
Date of Next Testing: 2024-11-03 16:11:18  
Product Name:  **$\alpha$ -Amylase**  
CAS Number: 9000-90-2  
Specifications & Purity: BR  
Lot #: K2204198  
SKU #: **A109182**  
**Analysis:** **139074**  
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
Water by Karl Fischer	0-8 (%)	6.32 %
Calcium ion concentration	148-152 ( $\mu\text{g/g}$ )	149.62 $\mu\text{g/g}$
Preservation rate of enzyme activity (six months)	$\geq 85$ (%)	96.00 %
Appearance (A109182)	Yellow to tan liquid	Yellow to tan liquid



John Su  
QA & QC Manager