



# CERTIFICATE OF ANALYSIS

Version 3.7  
revised on June 7, 2023

## O-Glycosidase

PRODUCT NAME: O-Glycosidase  
PRODUCT NUMBERS: E-G001, E-G001-200, E-G001-20  
KE-DG01, KE-DGMX

LOT NUMBER: 571.1A  
EXPIRATION DATE: June 3, 2026  
ASSAY DATE: May 27, 2023

SOURCE: recombinant gene from *Streptococcus pneumoniae* expressed in *E. Coli*  
FORMULATION: 50 mM sodium phosphate pH 7.5, filter sterilized.  
STORAGE: 4°C (Do not freeze)

ACTIVITY: Activity<sup>1</sup> 1.25 U/ml (Specification: ≥ 1.25 U/ml)  
Specific Activity<sup>2</sup> 26.3 U/mg (Specification: ≥ 12 U/mg)

CONTAMINATING ACTIVITY ASSAYS:  
Protease Assay<sup>3</sup> Passed (Specification "Passed")

1. Defined as the amount of enzyme required to produce 1  $\mu$ mole of p-nitrophenol (pNP) in 1 minute at 37°C, pH 5.0 from p-nitrophenyl- 2-acetamido-2-deoxy-3-O-(Beta-D-galactopyranosyl)-alpha- D-galactopyranoside.
2. Protein concentration determined by Bradford method, using BSA as a standard.
3. For the protease assay, 10  $\mu$ g of denatured BSA is incubated at 37°C for 24 hr with 2 ul of enzyme. SDS-PAGE analysis of the treated BSA shows no evidence of degradation.

President - QA-Bio Inc  
Authorized by Mike Gibson  
June 7, 2023