



CERTIFICATE OF ANALYSIS

Version 3.7
revised on June 4, 2020

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, 2022
ASSAY DATE: May 20, 2020

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: Activity¹ 1.25 U/ml (Specification: ≥ 1.25 U/ml)
Specific Activity² 26.3 U/mg (Specification: ≥ 12 U/mg)

CONTAMINATING ACTIVITY ASSAYS:
Protease Assay³ Passed (Specification "Passed")

1. Defined as the amount of enzyme required to produce 1 μ 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 μ 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 4, 2020