



CERTIFICATE OF ANALYSIS

Version 3.7
revised on June 7, 2023

N-Acetylglucosaminidase

PRODUCT NAME: N-Acetylglucosaminidase
PRODUCT NUMBERS: E-GL01, E-GL01-200, E-GL01-20
KE-DG01, KE-DGMX

K

LOT NUMBER: 502.1A
EXPIRATION DATE: June 3, 2026
ASSAY DATE: May 27, 2023

SOURCE: recombinant gene from *Streptococcus pneumoniae* expressed in *E. Coli*
FORMULATION: 20 mM Tris-HCl pH 7.5, 25 mM NaCl filter sterilized
STORAGE: 4°C (Do not freeze)

ACTIVITY: Activity¹ 50 U/ml (Specification: ≥ 40 U/ml)
Specific Activity² 118 U/mg (Specification: ≥ 80 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 in 1 minute at 37°C, pH 5.0 from p-nitrophenyl-Beta-D-N-acetyl-glucosaminide
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 7, 2023