



CERTIFICATE OF ANALYSIS

Version 3.7

revised on February 2, 2020

Alpha-(1-6) Fucosidase

PRODUCT NAME: Alpha-(1-6) Fucosidase
PRODUCT NUMBERS: E-F006, E-F006-200, E-F006-20

LOT NUMBER: 602.1A
EXPIRATION DATE: December 03, 2021
ASSAY DATE: January 28, 2020

SOURCE: recombinant gene from *Elizabethkingia meningosepticum* 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 1 U/ml (Specification: ≥ 1 U/ml)
Specific Activity² 2.2 U/mg (Specification: ≥ 1.8 U/mg)

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

1. Defined as the amount of enzyme is defined as the amount of enzyme required to produce 2 μ moles of mannose in 1 minute at 37°C, pH 5.0 from Alpha-(1-6) mannobiose.
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
February 2, 2020