



# CERTIFICATE OF ANALYSIS

Version 3.7  
revised on May 28, 2018

## 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: March 03, 2020  
ASSAY DATE: April 20, 2018

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: Activity<sup>1</sup> 1 U/ml (Specification: ≥ 1 U/ml)  
Specific Activity<sup>2</sup> 2.2 U/mg (Specification: ≥ 1.8 U/mg)

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

1. Defined as the amount of enzyme is defined as the amount of enzyme required to produce 2  $\mu$ moles of mannose in 1 minute at 37°C, pH 5.0 from Alpha-(1-6) mannanose.
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  
May 28, 2018