



CERTIFICATE OF ANALYSIS

Version 3.7
revised on June 4, 2020

Endo F1

PRODUCT NAME: Endo F1
PRODUCT NUMBERS: E-EF01, E-EF01-200, E-EF01-20

LOT NUMBER: 903.1A
EXPIRATION DATE: June 3, 2022
ASSAY DATE: May 20, 2020

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

ACTIVITY:	Activity ¹	17 U/ml	(Specification: ≥ 17 U/ml)
	Specific Activity ²	39 U/mg	(Specification: ≥ 16 U/mg)

CONTAMINATING ACTIVITY ASSAYS:			
	Protease Assay ³	Passed	(Specification "Passed")

1. Defined as the amount of enzyme required to catalyze the release of N-linked oligosaccharides from 1 micromole of denatured RNase B in 1 minute at 37°C, pH 7.5. Cleavage is monitored by SDS-PAGE (cleaved RNase B migrates faster).
2. Protein concentration determined by Bradford method, using BSA as a standard.
3. For the protease assay, 10 µg 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