



# CERTIFICATE OF ANALYSIS

Version 3.7  
revised on February 2, 2020

## Aldolase

PRODUCT NAME: Aldolase  
PRODUCT NUMBERS: E-ALD01

LOT NUMBER: 807.1C  
EXPIRATION DATE: December 03, 2021  
ASSAY DATE: January 28, 2020

SOURCE: Recombinant *E. Coli* K1 clone  
FORMULATION: 20 mM tris-HCl, pH 7.5, filter sterilized  
STORAGE: 4°C (Do not freeze)

ACTIVITY:	Activity <sup>1</sup>	100 U/ml	(Specification: ≥ 500 U/ml)
	Specific Activity <sup>2</sup>	15 U/mg	(Specification: ≥ 100 U/mg)

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

1. Defined as the amount of enzyme required to produce 1  $\mu$ mole of methylumbelliferone in 1 minute at 37°C, pH 5.0 from MU-NANA [2'-(4-methylumbelliferyl)-alpha-D-N-acetylneuraminic acid].
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  
February 2, 2020