CERTIFICATE OF ANALYSIS

Version 3.7
revised on January 16, 2026

α(1–6) Core Mannosidase

PRODUCT NAME: α(1–6) Core Mannosidase
PRODUCT NUMBERS: E-AM02, E-AM02-200, E-AM02-20

LOT NUMBER: 126.1A
EXPIRATION DATE: June 3, 2028
ASSAY DATE: January 7, 2026

SOURCE: recombinant gene from *Streptococcus pneumoniae* expressed in *E. Coli*
FORMULATION: 50 mM sodium phosphate pH 7.5, 0.1 mM zinc chloride, filter sterilized
STORAGE: 4°C (Do not freeze)

ACTIVITY:	Activity[1]	1 U/ml	(Specification: ≥ 1 U/ml)
	Specific Activity[2]	1.2 U/mg	(Specification: ≥ 1 U/mg)

CONTAMINATING ACTIVITY ASSAYS:

Protease Assay[3]	Passed	(Specification "Passed")

1. Defined as the amount of enzyme is defined as the amount of enzyme required to produce 2 μmoles 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 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.

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