

Certificate of Analysis

Mussel Adhesive Proteins, Sterile | EV-PRO-002

Product Name	Mussel Adhesive Proteins, Sterile	Lot Number	EZV-MAP-2604-001
Catalog Number	EV-PRO-002	Manufacture Date	April 2026
Size	500mg/tube, 5g/bottle	Expiration Date	April 2028
Storage Condition	-20°C	Release Date	April 2026

Product Specifications

Test / Parameter	Specification	Lot Result	Status
Appearance	Off-white or yellowish lyophilized powder	Conforms	PASS
Purity (SDS-PAGE)	≥90%	≥92%	PASS
DOPA Content	≥1.5 mol% DOPA by amino acid analysis	≥1.8 mol%	PASS
Adhesion Strength	>50 kPa on stainless steel (ASTM D1002)	≥55 kPa	PASS
Sterility	No microbial growth (7-day TSB incubation)	No growth	PASS
Endotoxin	<1.0 EU/mg (LAL)	<0.5 EU/mg	PASS
Cytotoxicity	Non-cytotoxic (ISO 10993-5; >80% cell viability at 100 µg/ml)	Conforms	PASS

Formulation / Physical Form

Lyophilized; reconstitute in 0.1 M acetic acid or sterile water at pH 4–5.

Unit Definition

Activity expressed as purity (≥90% by SDS-PAGE) and DOPA content (mol%) by amino acid analysis.

Quality Release Statement

This lot of Mussel Adhesive Proteins, Sterile (EV-PRO-002) has been tested according to the specifications listed above and meets all release criteria. This Certificate of Analysis is issued by Enzoverta Life Sciences LLC Quality Assurance department.

Quality Assurance Signature:

Date Issued: April 2026

QA Director, Enzoverta Life Sciences LLC

© 2026 Enzoverta Life Sciences LLC. For Research Use Only.