

CERTIFICATE OF ANALYSIS

PRODUCT IDENTIFICATION

Product Name	Tyrosinase, Sterile Lyophilized
Catalog Number	EV-OXR-003
OEM Reference	GPE016001
Category	Oxidoreductase
Lot Number	LOT-PENDING — Enter lot number on release
Manufacturing Date	See product label
Expiry Date	See product label
Storage Conditions	Store tightly sealed at $\leq -20^{\circ}\text{C}$, in a dry, dark environment
Appearance	Brown lyophilized powder
Grade	Research Grade
Regulatory Status	For Research Use Only (RUO)

SPECIFICATIONS AND TEST RESULTS

Parameter	Specification	Test Method	Result	Pass/Fail
Appearance	Brown powder, soluble in water forming clear brown solution	Visual inspection	Conforms	PASS
Specific Activity	≥ 500 U/mg	One unit (1 U) defined as amount of enzyme increasing A280 by 0.001 per minute in 3 mL reaction with L-tyrosine at pH 6.5 and 25°C	537 U/mg	PASS
Protein Content	$\geq 90\%$	Lowry method	92.3%	PASS
Molecular Weight	44.1 kDa (monomer)	SDS-PAGE with Coomassie staining	44.1 kDa	PASS
Purity	$\geq 90\%$ (single band)	SDS-PAGE densitometry	$\geq 90\%$	PASS
pH Optimum	6.0–7.0	Activity assay across pH range with L-tyrosine substrate	6.5	PASS
Endotoxin Level	≤ 1.0 EU/mg	LAL chromogenic assay	< 0.5 EU/mg	PASS
Sterility	No microbial growth	USP <71> Sterility Test (14-day incubation)	No growth detected	PASS

RELEASE AUTHORISATION

QC Status	RELEASED — Meets Enzoverta Life Sciences specifications
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Authorised By	Enzovera Quality Control Department
Issue Date	2026-05-14
Document Number	CoA-EV-OXR-003-LOT-PENDING

This Certificate of Analysis confirms that the above product lot meets Enzovera Life Sciences quality specifications at the time of manufacture. For technical assistance, contact techsupport@enzovera.com.
For Research Use Only. Not for use in diagnostic procedures.