

CERTIFICATE OF ANALYSIS

PRODUCT IDENTIFICATION

Product Name	Proteinase K, Lyophilized
Catalog Number	EV-NUC-001
OEM Reference	GPK003001
Category	Protease / Nuclease Accessory
Lot Number	LOT-PENDING — Enter lot number on release
Manufacturing Date	See product label
Expiry Date	See product label
Storage Conditions	-20°C, protect from light
Appearance	White or off-white lyophilized powder
Grade	Research Grade
Regulatory Status	For Research Use Only (RUO)

SPECIFICATIONS AND TEST RESULTS

Parameter	Specification	Test Method	Result	Pass/Fail
Appearance (Lyophilized)	White to off-white lyophilized powder	Visual inspection	Conforms	PASS
Specific Activity	≥30 U/mg (dry weight)	Hemoglobin digestion assay, A280 measurement	Conforms	PASS
Purity (SDS-PAGE)	≥95% (single band at ~29 kDa)	SDS-PAGE with Coomassie staining, densitometry	Conforms	PASS
Functional Activity	Complete digestion of 100 µg BSA in 30 min at 37°C	BSA digestion assay with SDS-PAGE verification	Conforms	PASS
DNase Contamination	No detectable DNase activity	Incubation with 1 µg λ DNA, 16 hrs at 37°C, agarose gel electrophoresis	Conforms	PASS
RNase Contamination	No detectable RNase activity	Incubation with 1 µg total RNA, 16 hrs at 37°C, agarose gel electrophoresis	Conforms	PASS
Reconstitution (10 mg/mL in water)	Clear, colorless solution; pH 7.0–8.0	Reconstitution test, visual inspection, pH meter	Conforms	PASS
Endotoxin	<0.1 EU/mg	Chromogenic LAL assay	Conforms	PASS

RELEASE AUTHORISATION

QC Status	RELEASED — Meets Enzoverta Life Sciences specifications
Authorised By	Enzoverta Quality Control Department
Issue Date	2026-05-14
Document Number	CoA-EV-NUC-001-LOT-PENDING

This Certificate of Analysis confirms that the above product lot meets Enzoverta 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.