

CERTIFICATE OF ANALYSIS

PRODUCT IDENTIFICATION

Product Name	Binuclease, Lyophilized
Catalog Number	EV-NUC-005
OEM Reference	GPE004001
Category	Non-specific Endonuclease
Lot Number	LOT-PENDING — Enter lot number on release
Manufacturing Date	See product label
Expiry Date	See product label
Storage Conditions	4°C
Appearance	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	White to off-white lyophilized powder	Visual inspection	Conforms	PASS
Purity (Grade II)	≥95%	SDS-PAGE	≥95%	PASS
Specific Activity	≥1000 kU/mg protein	Digestion of sonicated salmon sperm DNA to produce acid-soluble oligonucleotides equivalent to ΔA260nm of 1.0 in 30 min at pH 8.0 at 37°C	≥1000 kU/mg	PASS
Concentration (Lyophilized)	≥20 kU/mg dry weight	UV spectrophotometry and activity assay	≥20 kU/mg	PASS
Protease Activity	None Detected	Azocasein digestion assay	None Detected	PASS
Endotoxin	None Detected	Tachypleus Amebocyte Lysate (TAL)	None Detected	PASS
Functional Activity (DNA/RNA Degradation)	Complete degradation of plasmid DNA (1 µg) within 30 min at 37°C	Agarose gel electrophoresis	Complete degradation	PASS
pH Stability	Retains ≥80% activity at pH 6.0–10.0	Activity assay at varying pH with Tris-HCl buffer	≥80% activity retained	PASS

RELEASE AUTHORISATION

QC Status	RELEASED — Meets Enzoverta Life Sciences
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	specifications
Authorised By	Enzovera Quality Control Department
Issue Date	2026-05-14
Document Number	CoA-EV-NUC-005-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.