



CERTIFICATE OF ANALYSIS

NHS-COA-063

RELEASED

PRODUCT

Glutathione 1,500mg

glu-v-1, 500mg

Lyophilized powder, 1,500mg/vial

SKU

NHS-V-GLU-150

CATEGORY

Cellular Research

LOT NUMBER	MANUFACTURE DATE	EXPIRY DATE	UNITS IN LOT	STORAGE
NH-GLUTA-3823-A	Mar 28, 2026	Mar 27, 2028	48 units	-20°C lyophilized · 2-8°C reconstituted

1 FILL CONFORMANCE

TARGET FILL	BATCH MEAN	ACCEPTANCE	CONFORMANCE
11.5 mg	11.5 mg	± 5%	48/50 PASS

2 ANALYTICAL TEST RESULTS

PARAMETER	METHOD	SPECIFICATION	RESULT
Appearance Visual inspection	Visual	White to off-white	Conforms — pass
Identity Molecular confirmation	LC-MS	Observed mass	Confirmed — pass
Purity Area %	RP-HPLC, UV	≥ 99.0%	99.19% — pass
Endotoxin Bacterial endotoxin test	LAL gel-clot	< 1.0 EU/mg	< 1 — pass
Water content Karl Fischer titration	Karl Fischer	Report % w/w	2.9% — report
Residual solvents Headspace analysis	GC headspace	ICH Q3C class 2/3	Below limits — pass
Net peptide content Concentration of peptide	HPLC	Report Net %	90% — report

TESTED BY	MANUFACTURED BY	ISSUED FOR
pH Solutions Lab GMP third-party testing facility · chain-of-custody	Noble Harbor Sciences ISO 7 cleanroom · RUO peptide manufacturing & aliquoting	Noble Harbor Sciences Brand of record · holds release authority on this lot

AUTHORIZED RELEASE

QA Manager · Noble Harbor Sciences

All tested parameters conform to the specifications defined in this certificate. This lot has been independently reviewed and released by Noble Harbor Sciences based on conformant data provided by third-party testing under chain-of-custody.

For Research Use Only. Not for use in diagnostic procedures. Not for human or veterinary use. This product has not been evaluated by the Food and Drug Administration. Storage and handling are the responsibility of the receiving laboratory.

This Certificate of Analysis (COA) is issued by Noble Harbor Sciences. Data herein is derived from manufacturing records and analytical testing performed by accredited third-party laboratories. Distribution outside the named recipient is prohibited.