



ADVANCED PEPTIDE RESEARCH & MANUFACTURING

CERTIFICATE
of Analysis

CERT NO
COA-2026-001

ISSUE DATE
2026-03-01

BATCH
PB20260301

PRODUCT INFORMATION

PRODUCT NAME	Retatrutide	CAS NUMBER	2381089-83-2
MOLECULAR WEIGHT	4759.4 Da	BATCH NUMBER	PB20260301
TEST METHOD	HPLC / MS	OVERALL STATUS	PASS

TEST RESULTS

TEST ITEM	SPECIFICATION	RESULT	STATUS
Appearance	White to off-white lyophilized powder	White lyophilized powder	PASS
Purity (HPLC)	≥ 98.0%	99.6%	PASS
Molecular Weight (MS)	4759.4 Da ± 0.1 Da	4759.4 Da (confirmed)	PASS
Amino Acid Composition	Conforms to theoretical sequence	Conforms	PASS
Single Impurity	≤ 1.0%	< 0.5%	PASS
Total Impurities	≤ 2.0%	< 1.0%	PASS
Water Content (KF)	≤ 8.0%	4.2%	PASS
Residue on Ignition	≤ 1.0%	0.3%	PASS
Mass Spectrometry (ESI-MS)	Conforms to theoretical MW	Conforms	PASS

OVERALL STATUS

PASS

STORAGE & HANDLING

Storage Condition: -20°C, protected from light and moisture. Keep in sealed container.
Shelf Life: 24 months from date of manufacture when stored as directed.

CONCLUSION

This batch meets all specified quality requirements and is **APPROVED for release**.

FOR RESEARCH USE ONLY — NOT FOR HUMAN OR VETERINARY USE

This product is intended solely for in vitro research and laboratory use. Not approved for therapeutic or diagnostic applications.

SHIFT CO., LTD. — THIS DOCUMENT IS COMPUTER-GENERATED. RESULTS VALID FOR THE TESTED BATCH ONLY.

CERTIFIED