Certificate of Analysis

Product	**Semax**	**CAS No.**	80714-61-0
Product No.	LJSEM	**Batch No.**	LJSEM2026101401
Date of Mfg	2026/10/14	**Retest Date**	2028/10/13
Test Method	In-house	**Quantity**	2.65kg
Storage Conditions	Protected from light, sealed, store at -20℃ ±5℃		

Test	**Acceptance Criteria**	**Results**
Appearance	White or off-white Powder	White Powder
Purity	≥98.0%	99.86%
Identification By MS	813.93±1.0	Conforms
Trifluoroacetic acid	≤0.5%	Not detected
Related Substances	Unspecified Impurity ≤0.3%	0.04%
	Total Impurities ≤1.0%	0.14%
Residual Solvents	Acetonitrile ≤410 ppm	129ppm
Water content	≤7.0%	2.86%
Acetic acid	≤15.0%	2.17%
Peptide Content	≥80.0%	94.9%
Elemental Impurities	As ≤1.5ppm	Not detected
	Cd ≤0.2ppm	Not detected
	Hg ≤0.3ppm	Not detected
	Pb ≤0.5ppm	Not detected
Microbial Limit	Total aerobic bacteria ≤ 100cfu/g	Conforms
	Mould & Yeast ≤ 100cfu/g	Conforms
Bacterial Endotoxin	≤5EU/mg	Conforms
Conclusion	☑Meet the requirements ☐Do not meet t…	…ts
Remarks	**It is only supplied as chemical product.** **It is only for R&D use.**	

Reporter/Date: 张洁 **2026/10/17** **Approver/Date:** **2026/10/17**

检测专用章