



# Sichuan Taihui Biotechnology Co., Ltd.

## Certificate of Analysis

<b>Product Name</b>	Semax	<b>CAS No.</b>	80714-61-0
<b>Molecular Formula</b>	C37H51N9O10S	<b>Molecular Weight</b>	813.92
<b>Batch No.</b>	XR23111901	<b>Date of Mfg</b>	Dec 11,2023
<b>Reference Standard</b>	Enterprise Standard	<b>Retest Date</b>	Dec 10,2025
<b>Storage</b>	Place in an airtight container protected from light and keep the temperature between 2°C and 8°C.		
<b>TEST</b>	<b>SPECIFICATION</b>	<b>RESULT</b>	
<b>Appearance</b>	White or almost white fluffy powder	Conform	
<b>Solubility</b>	Soluble in water	Conform	
<b>Water Content (Karl Fischer)</b>	≤ 8.0%	2.30%	
<b>Acetic Acid</b>	≤ 15.0%	3.12%	
<b>Trifluoroacetic Acid</b>	≤ 0.5%	Not Detected	
<b>Peptide Purity (By HPLC)</b>	≥ 98.0%	99.39%	
<b>Related Substance (By HPLC)</b>	Total Impurities(%) ≤ 2.0%	0.61%	
	Largest Single Impurity(%) ≤ 1.0%	0.37%	
<b>Bacterial Endotoxins</b>	≤ 10 EU/mg	<1 EU/mg	
<b>Assay</b>	≥ 90.0%	95.54%	
<b>Conclusion</b>	This batch meets the internal standards of the enterprise and is qualified.		

**Note:** This product is for research or production use only. Not for direct human use.

**Analyst:** Pu mingyue

**Approved by:** Ding wenzhen

