

Certificate Of Analysis

Product Name:Semax		
CAS No.: 80714-61-0	MF.: C ₃₇ H ₅₁ N ₉ O ₁₀ S	MW.:Mr =813.92
Batch No.: PG-RETA-26021707	Batch Quantity: 1600g	Test Standard: Enterprise Standard
Test items	Specification	Results
Appearance	White or off-white powder	Conforms
Identity By ESI-MS	814±1	Conforms
Purity(HPLC)	≥99%	99.21%
Water Content(Karl Fischer)	≤8.0%	6.4%
Peptide Content	≥85%	88.7%
Acetic acid Content	≤0.5%	N.D
Sodium Content	≤5.0%	3.4%
PH	6.0-9.0	7.3
Bacterial Endotoxins	<10 EU/mg	Conforms
ACN(乙腈)	≤410 ppm	298 ppm
DMF(N,N-二甲基甲酰胺)	≤880 ppm	N.D
Ethanol(乙醇)	≤5000 ppm	N.D
Tetrahydrofuran(四氢呋喃)	≤720 ppm	N.D
DCM(二氯甲烷)	≤600 ppm	N.D
TAMC	≤100 cfu/g	<20 cfu/g
TYMC	≤100 cfu/g	<20 cfu/g
Total impurities	≤1.0%	0.62%
Conclusion:	Conforms to all requested specifications	
MFG Date:	Mar 08,2026	
Expiry Date:	Mar 07,2028	

Storage:Keep drv,Away from light and store at 2°C-8°C,long term store at-15°C to-25°C!

Reported By: Zhonghui Liu

Reviewed By: Liangen chan