

Certificate of Analysis

Sermorelin Acetate

CAS No	114466-38-5	Code	BIOJSER001
Lot No	2025102001-1	Manufacture Date	Nov.06, 2025
Retest Date	Nov.05, 2027	Quantity	1G

Testing Items	Specifications	Results
Appearance	White or almost white powder	White powder
Identity by MS	3357.88 ± 2	3357.4
Specific optical rotation	$-70.0^{\circ} \sim -90.0^{\circ}$	-71.7°
Identification (HPLC)	The retention time of main peak of the Sample solution corresponds to that of the Standard solution, as obtained in the Assay	Conform
Solubility	Soluble in water and acetic acid	Conform
Water content (Karl Fischer)	$\leq 8.0\%$	2.7%
Acetic Acid (By HPLC)	$\leq 15.0\%$	7.8%
Trifluoroacetic Acid (By HPLC)	$\leq 0.5\%$	Not detected
Peptide Purity (By HPLC)	$\geq 98.0\%$	99.1%
Related Substance (By HPLC)	Largest single impurity $\leq 1.0\%$ Total impurities $\leq 2.0\%$	0.2% 0.9%
Organic Solvent Residue	Acetonitrile $\leq 0.041\%$ N,N-Dimethylformamide $\leq 0.088\%$ Methanol $\leq 0.300\%$ Isopropyl ether $\leq 0.500\%$ Methylene chloride $\leq 0.060\%$	<0.041% <0.088% <0.300% <0.500% <0.060%
Peptide content	$\geq 80.0\%$	88.7%
Assay	95.0%~105.0%	99.5%
Bacterial endotoxin	<5EU/mg	<5EU/mg
Conclusion	This product conforms to In-house standard	

***Storage: Store at $-20 \pm 5^{\circ}\text{C}$, Protect from moisture and light.**