



CERTIFICATE OF ANALYSIS

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|------------------|---|-------------------|----------------|
| Product Name | Thymosin alpha-1; Thymalfasin | CAS NO. | 62304-98-7 |
| Batch NO. | NCTHYA251025 | Molecular formula | C129H215N33O55 |
| Manufacture Date | Oct. 25, 2025 | Molecular weight | 3108.32 |
| Sequence | Ac-Ser-Asp-Ala-Ala-Val-Asp-Thr-Ser-Ser-Glu-Ile-Thr-Thr-Lys-Asp-Le u-Lys-Glu-Lys Lys-Glu-Val-Val-Glu-Glu-Ala-Glu-Asn-OH | | |

| TEST | SPECIFICATION | RESULTS |
|------------------|---|------------|
| Appearance | White or off-white powder | Conforms |
| Identity by HPLC | The retention time of the main principal of the test Solution corresponds to that of the reference Solution, as obtained in the assay | Conforms |
| MS | Consistent | Consistent |
| Purity(HPLC) | ≥ 98% | 99.0% |
| Peptide Assay | 80.0%~120.0% | 100.5% |
| Solubility | Soluble in water | Conforms |
| Water | ≤ 7.0% | 5.2% |
| Acetic Acid | ≤ 10.0% | 0.04% |
| Conclusion | This product conforms to the Enterprise Standard. | |

Note: this product is intended for research use only

Important: Stable at 2-8°C, but should be kept at -20°C for long term storage, preferably desiccated.

QC DIRECTOR: GE LINGLING

CHECKER:MIUQIN

INSPECTOR:QIAN YUN