# Certificate Of Analysis

NO:026-T84-TSX

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|---|---|---|---|
| **Peptide Name** | Thymulin / Thymalin (Nonapeptide) | | |
| **Molecular Formula** | $C_{33}H_{54}N_{12}O_{15}$ | **Manufacturing** | 2026/09/04 |
| **Molecular Weight** | 858.85 | **Report Date** | 2026/09/09 |
| **CAS No.** | 63958-90-7 | **Re-test Date** | 2028/09/04 |
| **Appearance** | White powder | **Packing size** | 1Kg/bag |
| **Reference Standard** | Reference Ch.p | **Storage conditions** | Cool dry place (2-8°C, away from light) |
| **Sequence** | Pyr-Ala-Lys-Ser-Gln-Gly-Gly-Ser-Asn-OH | | |

| Tests | Specifications | Results |
|---|---|---|
| **Appearance** | White powder | Conforms |
| **MS (ESI)** | Conforms | Conforms |
| **Purity(HPLC)** | ≥98.0% | 99.02% |
| **Acetate Content(HPLC)** | <12.0% | 8.25% |
| **Water Content (Karl Fischer)** | ≤10.0% | 5.97% |
| **Peptide Content (N%)** | ≥80.0% | 83.8% |
| **Mass Balance** | 95.0~105.0% | Conforms |

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Limit To Research And Submission Use
Not For Direct Human Application

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