

Certificate of Analysis

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| Product Name | Thymosin α1 | Batch No. | M23X02230 |
| CAS No. | 62304-98-7 | MFG. Date | Feb 23, 2023 |
| CAT No. | I004350 | Retest Date | Feb, 2025 |
| Items | Specification | Results | |
| Appearance | White or off-white powder | Conforms | |
| Solubility | Soluble in water | Conforms | |
| Amino acid analysis | Asp 3.4-4.4 | Asp 3.8 | |
| | Glu 5.4-6.6 | Glu 5.9 | |
| | Ser 2.4-3.3 | Ser 2.7 | |
| | Thr 2.4-3.3 | Thr 2.9 | |
| | Ala 2.7-3.3 | Ala 3.0 | |
| | Val 2.4-3.3 | Val 2.8 | |
| | Leu 0.8-1.1 | Leu 0.9 | |
| | Ile 0.8-1.1 | Ile 1.0 | |
| | Lys 3.4-4.4 | Lys 3.8 | |
| | No more than the traces of the other amino acids are present | No more than the traces of the other amino acids are present | |
| MS | 3108.3±1.0 | 3107.8 | |
| Related Substances | Unspecified impurity for each impurity: ≤1.0% | 0.27% (single largest impurity) | |
| Purity (HPLC) | ≥ 98% | 98.3% | |
| Acetic acid | ≤ 10.0% | 6.7% | |
| Water | ≤ 7.0% | 4.3% | |
| Conclusion | Corresponds. | | |
| Storage Condition | Refrigerator. | | |

QC:

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QA:

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