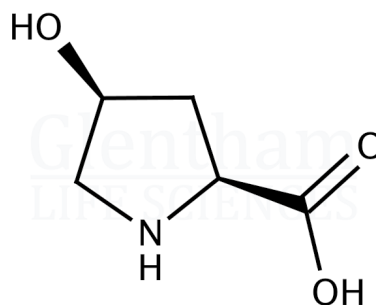


Certificate of Analysis

| | |
|---------------|---|
| Product Name | trans-4-Hydroxy-L-proline, GlenCell™, suitable for cell culture |
| Glentham Code | GM0902 |
| CAS Number | 51-35-4 |
| EINECS | 200-091-9 |
| MDL Number | MFCD00064320 |
| Batch Number | 385LEI |

| | |
|-------------------|---|
| Molecular Weight | 131.13 |
| Molecular Formula | C ₅ H ₉ NO ₃ |
| Storage Temp. | +20°C |



| Property | Specification | Batch 385LEI |
|---|--------------------------|--------------------------|
| Physical Description | White crystalline powder | White crystalline powder |
| Specific Optical Rotation ([α] _D 20/D) | -77.0 - -74.0 ° | -75.6° |
| Residue on Ignition | ≤ 0.1% | 0.01% |
| Loss on Drying | ≤ 0.2% | 0.0% |
| Related Substances | ≤ 0.3% | 0.0% |
| Ammonium (NH ₄) | ≤ 0.02% | Conforms |
| Chloride (Cl) | ≤ 0.02% | Conforms |
| Sulphate (SO ₄) | ≤ 0.02% | Conforms |
| Iron (Fe) | ≤ 10ppm | Conforms |
| Heavy Metals (as Pb) | ≤ 10ppm | Conforms |
| Arsenic (As ₂ O ₃) | ≤ 1ppm | Conforms |
| Bacterial Endotoxins | ≤ 40EU/g | Conforms |
| Assay (dried basis) | 99.0 - 101.0 % | 99.8% |

| | |
|-----------------------|------------|
| Specification Version | v1.0 |
| Manufacture Date | 2022-09-17 |
| Re-Test Date | 2031-04-04 |

Glentham Life Sciences confirm that the above referenced product conformed to the information displayed in this document on the quality release date. Please check www.glentham.com or contact us using the details above for the current version of this document.

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