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Certificate of Analysis

Product Name L-Cysteine, 99%, non-animal origin
Glentham Code GM8797

 CAS Number
 52-90-4

 EINECS
 200-158-2

 MDL Number
 MFCD00064306

 Additional CAS
 345909-32-2 (·xH2O)

Batch Number 841VDC

O H₂N IIIIII SH

Property Specification Batch 841VDC Physical Description White to almost white powder or crystals White crystals Solubility (2.5% in water) Clear, colourless solution Clear, colourless solution Solubility (10% in 2M HCI) Clear, colourless solution Conforms 5.32 pH (2.5% in water) Specific Optical Rotation ([α]20/D) +8.3 - +9.5 ° (c=8, 1M HCI) +8.68° Chloride (CI) ≤ 0.05% Conforms Sulphate (SO4) ≤ 0.03% Conforms ≤ 0.02% Ammonium (NH4) Conforms Iron (Fe) ≤ 10ppm Conforms Heavy Metals (as Pb) ≤ 10ppm Conforms 0.05% Residue on Ignition ≤ 0.1% Loss on Drying ≤ 0.5% (105°C, 3h) 0.43% 99.5% Assay (Titration) 98.5 - 101.0 % Conforms Origin Vegetal fermentation

Specification Version v1.0

Manufacture Date 2021-06-10

Re-Test Date 2029-06-10

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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