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## Certificate of Analysis

L-Cysteine, 99%, non-animal origin Glentham Code GM8797 **CAS Number** 52-90-4

**EINECS** 200-158-2 MDL Number MFCD00064306 345909-32-2 (·xH2O) Additional CAS

**Batch Number** 372XGS

**Product Name** 

Molecular Weight 121.16 Molecular Formula C3H7NO2S Storage Temp. +20°C

OH H<sub>2</sub>N IIIIII

Conforms

Property Specification Batch 372XGS Physical Description White to almost white powder or crystals White crystalline powder Solubility (2.5% in water) Clear, colourless solution Clear, colourless solution Solubility (10% in 2M HCI) Clear, colourless solution Clear, colourless solution pH (2.5% in water) Specific Optical Rotation ([α]20/D) +8.3 - +9.5 ° (c=8, 1M HCI) +8.5° ≤ 0.04% Chloride (CI) ≤ 0.05% Sulphate (SO4) ≤ 0.03% ≤ 0.02% ≤ 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) 0.48% 99.2% Assay (Titration) 98.5 - 101.0 %

Specification Version v1.0 Manufacture Date 2023-06-06 Re-Test Date 2031-06-30

Origin

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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Vegetal fermentation

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