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Certificate of Analysis

 Product Name
 L-Cystine

 Glentham Code
 GM4173

 CAS Number
 56-89-3

 EINECS
 200-296-3

 MDL Number
 MFCD00064228

 PubChem SID
 310270762

 Batch Number
 021ACA

 Molecular Weight
 240.30

 $\begin{array}{ll} \mbox{Molecular Weight} & 240.30 \\ \mbox{Molecular Formula} & \mbox{C}_6\mbox{H}_{12}\mbox{N}_2\mbox{O}_4\mbox{S}_2 \\ \mbox{Storage Temp.} & +20\mbox{°C} \end{array}$

HO S S NH₂

Property Specification Batch 021ACA Physical Description White crystalline powder White crystalline powder Solubility (5% in 1M HCI) Clear, colourless solution Conforms Chloride (CI) ≤ 0.02% Conforms ≤ 0.02% Conforms Ammonium (NH4) ≤ 0.02% Sulphate (SO4) Conforms Iron (Fe) ≤ 10ppm ≤ 10ppm Lead (Pb) ≤ 3ppm ≤ 1ppm Arsenic (As) ≤ 1ppm ≤ 0.5ppm Mercury (Hg) ≤ 0.1ppm Conforms Cadmium (Cd) ≤ 1ppm ≤ 0.5ppm ≤ 0.1% Residue on Ignition Conforms Other Amino Acids Not detected Conforms 0.05% Loss on Drying ≤ 0.2% 98.5 - 101.0 % 99.1% Assay

Specification Version v1.1

Manufacture Date 2022-06-07

Re-Test Date 2032-09-23

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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