

## Product Datasheet

### GM4222 - L-Cysteine hydrochloride monohydrate

Hazard Codes H315, H336, H335, H319  
Precautionary Codes P280, P261, P302+P352, P305+P351+P338

Pictograms

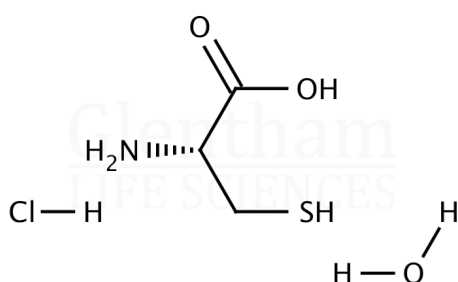


#### Product Details

Product Name L-Cysteine hydrochloride monohydrate  
Glentham Code GM4222  
CAS Number 7048-04-6  
EINECS 200-157-7  
MDL Number MFCD00065606  
Additional CAS 345909-32-2 (-xH<sub>2</sub>O)  
PubChem SID 310270758  
Related Categories Amino Acids, Biochemicals, Raw Materials (IVD)

#### Structure

Molecular Weight : 175.64  
Molecular Formula : C<sub>3</sub>H<sub>7</sub>NO<sub>2</sub>S · HCl · H<sub>2</sub>O



#### Glentham Product Specification

Physical Description : White powder or colourless crystals  
Identification (IR) : To conform to standard  
Specific Optical Rotation ([α]<sub>D</sub><sup>20</sup>) : +5.5 - +7.0 ° (c=8, 1M HCl)  
pH (5% in water) : 1.5 - 2.0  
Chloride (Cl) : 19.89 - 20.29 %  
Ammonium (NH<sub>4</sub>) : ≤ 0.02%  
Sulphate (SO<sub>4</sub>) : ≤ 0.02%  
Iron (Fe) : ≤ 10ppm  
Other Amino Acids : Not detectable  
Loss on Drying : 8.5 - 12.0 %  
Residue on Ignition : ≤ 0.1%  
Lead (Pb) : ≤ 3ppm  
Arsenic (As) : ≤ 1ppm  
Mercury (Hg) : ≤ 0.1ppm  
Cadmium (Cd) : ≤ 1ppm  
Assay : 99.0 - 100.5 %  
Version : v1.1

#### Storage

Recommended storage temperature: +20°C.

#### Hazards and Transport

Not classified as dangerous for transport.  
CLP Classification Skin Irr. 2, STOT SE 3, STOT SE 3, Eye Irr. 2A  
Signal Word Warning

#### About L-Cysteine hydrochloride monohydrate

No further details on record.

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