

Product Datasheet

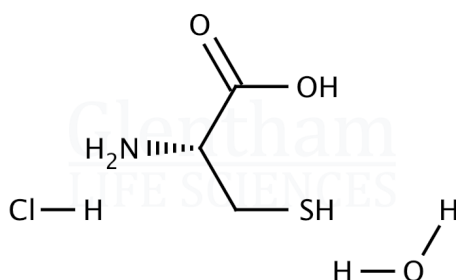
GM4222 - L-Cysteine hydrochloride monohydrate

Product Details

Product Name	L-Cysteine hydrochloride monohydrate
Glenthams Code	GM4222
CAS Number	7048-04-6
EINECS	200-157-7
Numéro MDL	MFCD00065606
CAS supplémentaire	345909-32-2 ($\cdot xH_2O$)
PubChem SID	310270758
Related Categories	Amino Acids, Biochemicals, Raw Materials (IVD)

Structure

Molecular Weight	: 175.64
Molecular Formula	: $C_3H_7NO_2S \cdot HCl \cdot H_2O$



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

Hazard Codes

Precautionary Codes

Pictograms

Attention

H315, H336, H335, H319

P280, P261, P302+P352,
P305+P351+P338



Glenthams Product Specification

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

About L-Cysteine hydrochloride monohydrate

No further details on record.

This document was generated electronically and is therefore valid without signature. © Glenthams Life Sciences Ltd, 2025