


Specification

L-Cysteine Hydrochloride 1-hydrate (Ph. Eur., USP) pure, pharma grade

A1702

Solubility:	650 g/L (H ₂ O)
Physical Description:	Solid
Product Code:	A1702
Product Name:	L-Cysteine Hydrochloride 1-hydrate (Ph. Eur., USP) pure, pharma grade
Headline Comment:	• All amino acids from AppliChem are of non-animal origin!
Specifications:	<p>Assay (titr., calc. on dried subst.): 98.5 - 101.0 %</p> <p>α25°C/D; 8 %, 6 M HCl: +5.7° - +6.8°</p> <p>Appearance of solution: passes test</p> <p>Identity: passes test</p> <p>Heavy metals (as Pb): max. 0.0015 %</p> <p>Sulfated ash: max. 0.1 %</p> <p>Loss on drying: 8 - 12 %</p> <p>α20°C/D; 8 %, HCl 250 g/L, calc. on dried subst.: +5.5° - +7.0°</p> <p>Ninhydrin positive substances (TLC): max. 0.5 %</p> <p>Ammonium: max. 0.02 %</p> <p>Sulfate: max. 0.03 %</p> <p>Fe: max. 0.002 %</p> <p>Ninhydrin positive substances (TLC)</p> <p>Each individual impurity: max. 0.5 %</p> <p>Total impurities: max. 2 %</p>
Hazard pictograms	
WGK:	1
Storage:	RT

AppliChem GmbH

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Signal Word:	Attention
GHS Symbols:	GHS07
H Phrases:	H319
P Phrases:	P264 P280 P305+P351+P338 P337+P313 P501
Molecular Formula:	$C_3H_7NO_2S \cdot HCl \cdot H_2O$
M:	175.64 g/mol
CAS:	7048-04-6
EINECS:	200-157-7
CS:	29309016

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