


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 % α25°C/D; 8 %, 6 M HCl: +5.7° - +6.8° Appearance of solution: passes test Identity: passes test Heavy metals (as Pb): max. 0.0015 % Sulfated ash: max. 0.1 % Loss on drying: 8.0 - 12.0 % α20°C/D; 8 %, HCl 250 g/L, calc. on dried subst.: +5.5° - +7.0° Ammonium: max. 0.02 % Sulfate: max. 0.03 % Fe: max. 0.002 % Ninhydrin positive substances (HPLC) Any other ninhydrin-pos. Subst.: max. 0.2 % Total impurities: max. 1.0 % Cystine: max. 0.5 % Ninhydrin positive substances (TLC) Each individual impurity: max. 0.5 % Total impurities: max. 2 %</p>
Hazard pictograms	

AppliChem GmbH

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WGK:	1
Storage:	RT
Signal Word:	Attention
GHS Symbols:	GHS07
H Phrases:	H319
P Phrases:	P264 P280 P305+P351+P338 P337+P313
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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