

# Specification

Item number: T203

## L-Cysteine hydrochloride monohydrate

≥98,5 %, for biochemistry

CAS No.: 7048-04-6

print date: 01.01.2024

formula:  $C_3H_7NO_2S \cdot HCl \cdot H_2O$

density:

molecular weight: 175,64 g/mol

### Type analysis

<b>Appearance</b>	white, cryst. powder
<b>Assay (dry substance)</b>	98,5-101,0 %
<b>Specific rotation <math>[\alpha]_D^{20}</math></b>	+6,0° to +8,0°
<b>pH-value</b>	1,5-2,0
<b>Ammonium (NH<sub>4</sub>)</b>	≤0,05 %
<b>Chloride (Cl)</b>	19,89-20,29 %
<b>Sulphate (SO<sub>4</sub>)</b>	≤0,02 %
<b>Arsenic (As<sub>2</sub>O<sub>3</sub>)</b>	≤0,0001 %
<b>Iron (Fe)</b>	≤0,001 %
<b>Heavy metals</b>	≤0,001 %
<b>Sulphated ash</b>	≤0,1 %
<b>Loss on drying</b>	8,6-12,0 %

Our products are tested for laboratory use only.

The stated information refers to the current status of product quality.

We reserve the right to implement necessary changes.

**Dr. R. Niemand**

Head of Quality Assurance

**S. Lorsee**

Head of Quality Management

*This document is computer printout and has therefore not been signed by hand.*

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