

# Specification

Item number:	1694		
<b>Cysteine hydrochloride monohydrate</b>			
≥99 %, CELLPURE®			
CAS No.:	7048-04-6	print date:	19.09.2018
formula:	C <sub>3</sub> H <sub>7</sub> NO <sub>2</sub> S · HCl		
density:			
molecular weight:	175,64 g/mol		

## Guarantee analysis

Endotoxins	≤24 E.U./g
Assay	≥99 %
Loss on drying	8,5-12,0 %
Specific rotation [α] <sub>D</sub> <sup>20</sup>	+6,1° to +7,8°
Ammonium (NH <sub>4</sub> )	≤0,02 %
Chloride (Cl)	19,89-20,29 %
Sulphate (SO <sub>4</sub> )	≤0,02 %
Heavy metals (as Pb)	≤0,001 %
Arsenic (As <sub>2</sub> O <sub>3</sub> )	≤0,0001 %
Iron (Fe)	≤0,001 %

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.

**U. Jeckel**  
Quality Assurance

**S.Hildebrandt**  
Quality Management

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

**Carl Roth GmbH + Co. KG**  
Schoemperlenstraße 3-5  
76185 Karlsruhe

Telefon 0721/5606-0  
Telefax 0721/5606-149  
E-Mail: info@carlroth.de

Die Firma ist eine Kommanditgesellschaft mit Sitz in Karlsruhe, Reg. Gericht Mannheim HRA 100055. Persönlich haftende Gesellschafterin ist die Firma Roth Chemie GmbH mit Sitz in Karlsruhe, Reg. Gericht Mannheim HRB 100428. Vorsitzender des Aufsichtsrats: Eberhard Gaul  
Geschäftsführer: Lothar Haidmann

