

Reanal Private Ltd.

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Tel: +36 (1) 467 7519 Fax: +36 (1) 252-1483 E-mail: QC@reanal.huProduct: **L-Cysteine hydrochloride monohydrate**Quality: **puriss., Ph.Eur.6**Product number: **18591**ID Number: **1517**CAS-No: **7048-04-6**

TEST	REQUIREMENT
Appearance	white to off-white, crystalline powder
Identity	passes test
Assay (RT, dried substance)	98.5-101.0%
Solubility (2.5 g/100 ml water)	clear, max. BY ₆
$[\alpha]_D^{20}$ (c=8; 25 m/V% HCl, dried substance)	+5.5° ~ +7.0°
Residue on ignition (SO ₄)	max. 0.1%
Loss on drying (0.7 kPa, 24 h)	8.0-12.0%
Ammonium (NH ₄)	max. 0.02%
Sulfate (SO ₄)	max. 0.03%
Iron (Fe)	max. 0.002%
Heavy metals (Pb)	max. 0.001%
Ninhydrin-positive substances (TLC)	max. 0.5%
D-enantiomer	max. 0.5%
Other amino acids	max. 0.2% (n/n)

Date (d/m/y): 29/10/2009

ÜRGE Károly
QC manager