

Reanal Finechemical Co.

PO Box 54, Budapest, Hungary, H-1441 www.reanal.hu  
Tel: +36 (1) 467 7500 Fax: +36 (1) 252-1483 E-mail: QC@reanal.huProduct: **L-Cystine**  
Quality: **puriss., Ph.Eur.6**  
Product number: **18610**  
CAS-No: **56-89-3**ID Number: **1518**

TEST	REQUIREMENT
Appearance	white to off-white, crystalline powder
Identity	passes test
Assay (RT, dried substance)	98.5-101.0%
Solubility (1.0 g/10 ml 2 M HCl)	clear, max. Y <sub>7</sub>
$[\alpha]_D^{20}$ (c=2; 1 M HCl, dried substance)	-218.0° ~ -224.0°
Residue on ignition (SO <sub>4</sub> )	max. 0.1%
Loss on drying (105 °C)	max. 0.5%
Ammonium (NH <sub>4</sub> )	max. 0.02%
Chloride (Cl)	max. 0.02%
Sulfate (SO <sub>4</sub> )	max. 0.03%
Fe	max. 0.001%
Heavy metals (Pb)	max. 0.001%
Ninhydrin-positive substances (TLC)	max. 0.2%
D-enantiomer	max. 0.5%

Date (d/m/y): 21/07/2008

ÜRGE Károly  
QC manager