

Apollo Scientific Ltd  
Whitefield Road, Bredbury,  
Stockport, SK6 2QR, UK.  
Tel:44(0)161 406 0505 Fax:44(0)161 406 0506  
e-mail: sales@apolloscientific.co.uk



## **-CERTIFICATE OF ANALYSIS-**

Product: L-Cysteine hydrochloride

Code No: BIC0707

CAS No: 52-89-1

Formula:  $C_3H_7NO_2S.ClH$

Batch No: AS444155

Appearance: White crystalline solid

Identity: IR spectrum conforms

Specific Rotation:  $+6.58^\circ$

Loss on drying: 0.18%

Residue on ignition: 0.09%

Sulphate:  $<0.03\%$

Iron:  $<0.003\%$

Heavy metals:  $<0.0015\%$

Chromatographic purity: Meets the requirements

Assay (dried basis): 99.58%

Verified by: David Parton

Signed:

Date: 09<sup>th</sup> July 2013