

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



-CERTIFICATE OF ANALYSIS-

Product: D-Mannosamine hydrochloride

Code Number: BIM4501

CAS Number: 5505-63-5

Formula: $C_6H_{13}NO_5 \cdot ClH$

Batch Number: AS474114

Appearance: White crystalline powder

Water content: 0.38% (LOD)

Purity by HPLC: 99.6%

Optical Rotation: -3.9 deg (c=10, HCl)

Identity: IR concordant

Verified by: David Parton

Signed: --Digital document, no signature required--