

Chem-Impex International, Inc.

Tel: (630) 766-2112

E-mail: sales@chemimpex.com

Shipping and Correspondence:

935 Dillon Drive

Wood Dale, IL 60191

Fax: (630) 766-2218

Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191

Certificate of Analysis

Catalogue Number	01458
Lot Number	001779-121001
Product	D(+)-Mannose

D-Mannopyranose

CAS Number	3458-28-4
Molecular Formula	C ₆ H ₁₂ O ₆

Molecular Weight	180.16
-------------------------	--------

Appearance	White crystalline powder
Melting Point	127.9-132.2 °C
Bulk density	0.36 g/cm ³
Density	0.54 g/cm ³ (Tapped)
Heavy Metals	< 10 ug/g
Trace Metal Analysis	Antimony (Sb): < 0.1 ug/g Lead (Pb): 0.1 ug/g Mercury (Hg): < 0.01 ug/g Cadmium (Cd): 0.1 ug/g
Arsenic (As₂O₂)	< 0.1 ug/g
Yeast and Mold	< 10 cfu/g
Optical Rotation	[α] _D = +14.0°
Loss on Drying	0.22%
E. Coli, Salmonella, S.Aureus	Negative
Mesh Size	100% through 20 mesh
Purity by HPLC	99.67%
Storage	Store at RT
Additional Information	Total Plate Count: 10 cfu/g

Certificate of Analysis

Catalog Number: 01458

Lot Number: 001779-121001

Remarks

See material safety data sheet for additional information

For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier

A handwritten signature in black ink, appearing to read 'Bala Kumar', with a stylized flourish at the end.

Bala Kumar
Quality Control Manager