



ISO 9001 CERTIFIED
ISO 13485 CERTIFIED

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CERTIFICATE OF QUALITY

Product: D-MANNOSE
Grade: HIGH PURITY GRADE
Code: J443
Appearance: White crystalline powder
Mol. Formula: C6H12O6
Mol. Weight: 180.16

Description:

<u>Assay:</u>	<u>Min</u>	<u>Max</u>	<u>Units</u>	<u>Disposition</u>
Loss on Drying		1.0	%	PASS
Melting Point	125	131	Degrees C	PASS
Purity (HPLC)	99.5		%	PASS
Solubility (5%, Water)	PASS		P/F	PASS
Specific Rotation	+14.0	+15.0	degrees	PASS

Storage: Store at room temperature. Protect from moisture.

J443HPG

This signature indicates that the above material has met all quality specifications and has been reviewed by a quality representative.

Signature:

Title:

QC MANAGER

Date:

6/6/2012