



ISO 9001 CERTIFIED
ISO 13485 CERTIFIED

Corporate Headquarters
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CERTIFICATE OF QUALITY

Product: D-GLUCOSE, ANHYDROUS

Grade: BIOTECHNOLOGY GRADE

Code: 0188

Appearance: Fine white powder

Mol. Formula: C6H12O6

Mol. Weight: 180.16

Description:

<u>Assay:</u>	<u>Min</u>	<u>Max</u>	<u>Units</u>	<u>Disposition</u>
Arsenic		< 0.00004	%	PASS
Chloride		< 0.01	%	PASS
DNase		NONE	P/F	PASS
Heavy Metals (as Pb)		< 0.0005	%	PASS
Identification	PASS		P/F	PASS
Insolubles		0.005	%	PASS
Iron		< 0.0005	%	PASS
Loss on Drying		0.2	%	PASS
Protease		NONE	P/F	PASS
Purity	99.8		%	PASS
Residue on Ignition		0.02	%	PASS
RNase		NONE	P/F	PASS
Specific Rotation	+52.5	+53.0	degrees	PASS
Sulfate & Sulfite		< 0.005	%	PASS

Storage: Store at room temperature. Protect from moisture.

0188BIO

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:

7/11/2012