



ISO 9001 CERTIFIED  
ISO 13485 CERTIFIED

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CERTIFICATE OF QUALITY

**Product:** D-RAFFINOSE PENTAHYDRATE

**Grade:** ULTRA PURE GRADE

**Code:** J392

Appearance: White granular powder

Mol. Formula: C18H32O16.5H2O

Mol. Weight: 594.5

Description:

<u>Assay:</u>	<u>Min</u>	<u>Max</u>	<u>Units</u>	<u>Disposition</u>
Arsenic		< 0.00005	%	PASS
Heavy Metals		< 0.001	%	PASS
Iron		< 0.0005	%	PASS
Purity (HPLC)	98.0		%	PASS
Residue on Ignition		0.1	%	PASS
Solubility (10%, Water)	PASS		P/F	PASS
Specific Rotation (10%, Water)	+103	+107	degrees	PASS
Water Content (KF)	13.0	17.0	%	PASS

Storage: Store at room temperature. Protect from moisture.

J392UP

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:

6/22/2012