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CERTIFICATE OF QUALITY

Product: L-ASCORBIC ACID, FREE ACID

Grade: ACS GRADE

Code: 0143

Appearance: Fine white crystalline powder

Mol. Formula: C6H8O6

Mol. Weight: 176.13

Description:

Assay:	<u>Min</u>	<u>Max</u>	<u>Units</u>	<u>Disposition</u>
Heavy Metals (as Pb)		0.002	%	PASS
Iron		0.001	%	PASS
Purity	99.0		%	PASS
Residue on Ignition		0.1	%	PASS
Specific Rotation	+20.5	+21.5	degrees	PASS

Storage: Store at room temperature. Protect from moisture.

0143ACS This signature indicates that the above material has met all quality

specifications and has been reviewed by a quality representative.

Signature: (You Crocke

<u>Title:</u> <u>QC MANAGER</u> Date: <u>6/13/2012</u>