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CERTIFICATE OF QUALITY

Product: GUANIDINE HYDROCHLORIDE

Grade: TECHNICAL GRADE

Code: 0118

Appearance: White to slightly yellow granular crystalline powder

Mol. Formula: CH5N3*HCI

Mol. Weight: 95.53

Description:

Assay:	<u>Min</u>	<u>Max</u>	<u>Units</u>	<u>Disposition</u>
Ammonium Chloride		0.5	%	PASS
Ash		0.4	%	PASS
Moisture (KF)		0.3	%	PASS
Purity	98.0		%	PASS

Storage: Store at room temperature. Protect from moisture.

0118TECH This signature indicates that the above material has met all quality

specifications and has been reviewed by a quality representative.

Signature: You Crocke

Title: QC MANAGER Date: 6/8/2012