



ISO 9001 CERTIFIED  
ISO 13485 CERTIFIED

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CERTIFICATE OF QUALITY

**Product:** GUANIDINE THIOCYANATE  
**Grade:** BIOTECHNOLOGY GRADE  
**Code:** 0380  
Appearance: White crystalline powder  
Mol. Formula: CH5N3.CHNS  
Mol. Weight: 118.16

Description:

<u>Assay:</u>	<u>Min</u>	<u>Max</u>	<u>Units</u>	<u>Disposition</u>
Abs.@280nm (70%, Water)		0.8		PASS
Abs.@300nm (6M, Water)		< 0.1		PASS
Abs.@410nm (6M, Water)		< 0.1		PASS
Copper		< 0.0001	%	PASS
DNase		NONE	P/F	PASS
Identification (IR)	PASS		P/F	PASS
Lead		< 0.0001	%	PASS
Melting Point	118	121	Degrees C	PASS
Protease		NONE	P/F	PASS
Purity	99.0		%	PASS
RNase		NONE	P/F	PASS
Solubility (70%, Water 50 Degrees C)	PASS		P/F	PASS

Storage: Store at room temperature. Protect from moisture.

0380BIO

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:

6/8/2012