



# Certificate of Analysis

## GUANIDINE THIOCYANATE

<u>Catalog #</u> IB05100	<u>Size</u> 500 gm
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**Catalog Number:** IB05100

**Lot Number:** 13L0750

**Molecular Formula:**  $\text{CH}_5\text{N}_3\bullet\text{CHNS}$

**Molecular Weight:** 118.16

**Appearance:** White crystalline powder

<u>Assay</u>	<u>Min</u>	<u>Max</u>	<u>Actual</u>	<u>Units</u>	<u>Disposition</u>
Purity	99.0		99.7	%	PASS
Melting Point	118	121	119.4	°C	PASS
Solubility (70%, Water, 50°C)	PASS		PASS	P/F	PASS
Abs. @ 280nm (70%, Water)		0.8	0.2424		PASS
DNase		NONE	NONE	P/F	PASS
RNase		NONE	NONE	P/F	PASS
Identification (IR)	PASS		PASS	P/F	PASS
Protease		NONE	NONE	P/F	PASS
Abs. @ 300nm (6M, Water)		<0.1	0.0375		PASS
Abs. @ 410nm (6M, Water)		<0.1	0.0090		PASS
Copper		<0.0001	0.000008	%	PASS
Lead		<0.0001	0.000003	%	PASS

### Storage

Store at room temperature. Keep tightly sealed. Protect from moisture. Light sensitive.

*This signature indicates that the above material has met all quality specifications and has been reviewed by a quality representative.*

Signature: K. McCarthy  
Date: 12/13/2013