



Certificate of Analysis

GUANIDINE THIOCYANATE

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

Lot Number: 16B1450

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		99.5	%	PASS
Melting Point	118	121	120	°C	PASS
Solubility (70%, Water, 50°C)	PASS		PASS	P/F	PASS
Abs. @ 280nm (70%, Water)		0.8	0.4		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	0.05		PASS
Abs. @ 410nm (6M, Water)		<0.1	-0.0		PASS
Copper		<0.0001	0.000008	%	PASS
Lead		<0.0001	0.000002	%	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: 03/29/2016