DCN: 20-001826 v.3.0



100 Majestic Way, Bangor, PA 18013 / www.biospectra.us

Effective Date:	13-Aug-2021	13-Aug-2024	: Date of Next Review
Prepared By:	Jared L Lobb	20-001826 v.2.0	: Supersedes
QA/QC Approval:	Jaron Hughes	Wendy Santay	: Management Approval
Reason for Revision:	See Revision History in ensur.		

CERTIFICATE OF ANALYSIS

GUANIDINE THIOCYANATE

BIO ULTRA GRADE / NEW CODE GTHI-5221-05

(HISTORICAL CODE GT5221-K005)

LOT: GTHI-0122-00001

NH₂C(NH)NH₂·HSCN ^ F.W. 118.16 g/mol. ^ CAS#: 593-84-0 Manufacturing/Packaging Date: 2/14/22 Retest Date: 2/29/24 Packaging Site: 100 Majestic Way, Bangor PA, 18013

ANA	LYSIS	SPECIFICATION		TEST RESULT	
Appearance and Color		White / Crystals		White / Crystals	
Assay, Dried Bas	sis	≥ 99.0%		99.9%	
Enzymes	DNase	None Detected		None Detected	
	RNase	None Detected		None Detected	
Heavy Metals (as Lead)		≤ 5 ppm		<5 ppm	
Identification (IR)		Conforms to Structure		Conforms to Structure	
Solubility (Colour)		Colorless		Colorless	
Solubility (Turbidity) 100mg/mL H ₂ O		Clear		Clear	
	Barium (Ba)	≤ 0.0005%		≤0.0005%	
Trace Metals	Iron (Fe)	≤ 0.0005%		≤0.0005%	
	Potassium (K)	≤ 0.005%		≤0.005%	
	Sodium (Na)	≤0.5%		≤0.5%	

TEST METHOD REFERENCE: 16-000043

<u>INTENDED USE:</u> Material represented by this Certificate of Analysis is suitable for use as a process chemical. The material represented by this Certificate of Analysis is not suitable to be used as an Excipient, Active Pharmaceutical Ingredient, Drug, Drug Product or Household Item.

Prepared by:	Date: 2/15/22 Job Title: QA Specialist
Reviewed by:	Date: 21572 Job Title: QA Manager
	1