DCN: 20-001826 v.2.0



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

Effective Date: 14-Jul-2020		14-Jul-2023	: Date of Next Review
Prepared By: Amy Hosein		20-001826 v.1.0	: Supersedes
QA/QC Approval: Carissa McCollian		Amy Yencho	: Management Approval
Reason for Revision: See Revision History in ensu	ır.		

CERTIFICATE OF ANALYSIS

GUANIDINE THIOCYANATE BIO ULTRA GRADE / GT5221 – K010 LOT: GT5221-004-0820

NH₂C(NH)NH₂·HSCN * F.W. 118.16 g/mol. * CAS#: 593-84-0 Manufacturing/Packaging Date: 8/4/20 Retest Date: 8/31/22 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%	100.2%
Enzymes	DNase	None Detected	None Detected
	RNase	None Detected	None Detected
Heavy Metals (as	s Lead)	≤ 5 ppm	<2 ppm
Identification (IR	2)	Conforms to Structure	Conforms to Structure
Solubility (Colou	ır)	Colorless	Colorless
Solubility (Turbio H ₂ O	dity) 100mg/mL	Clear	Clear
Trace Metals	Barium (Ba)	≤ 0.0005%	≤0.0005%
	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:	 _ Job Title: _	OA Supervisor
Reviewed by: What Sally	 _ Job Title: _	QA Manager