

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

Effective Date:	5-May-2020	5-May-2023	: Date of Next Review
Prepared By:	Amy Hosen	16-001219 v.4.0	: Supersedes
QA/QC Approval:	Carissa McCollian	Wendy Santay	: Management Approval
Reason for Revision:	See Revision History in ensur.		

CERTIFICATE OF ANALYSIS
GUANIDINE THIOCYANATE
BIO ULTRA GRADE / GT5220 – G500
LOT: GT5220-011-0520

$\text{NH}_2\text{C}(\text{NH})\text{NH}_2\text{HSCN}$ * F.W. 118.16 g/mol. * CAS#: 593-84-0

Packaging Date: 5/4/2020

Packaging Site: 100 Majestic Way, Bangor PA, 18013

ANALYSIS	SPECIFICATION	TEST RESULT
Absorbance	280 nm	0.400 a.u. max.
	300 nm	0.070 a.u. max.
	340 nm	0.050 a.u. max.
Appearance and Color	White / Crystals	White / Crystals
Assay, Dried Basis	99.0% min.	99.6%
Identification (FTIR)	Passes Test	Passes Test
Melting Range	115 – 121 °C	119 - 120°C
pH (5% solution)	5.0 – 7.0	5.5 @ 23.9°C
Solubility (35% solution)	Passes Test	Passes Test

COUNTRY OF ORIGIN: China

TEST METHOD REFERENCE: 16-000043

INTENDED USE: 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: C. [Signature] Date: 5/5/20 Job Title: QA Supervisor

Reviewed by: Wendy Santay [Signature] Date: 05/05/20 Job Title: QA Manager