

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

Effective Date:	4-Nov-2020	4-Nov-2023	: Date of Next Review
Prepared By:	Amy Hosein	16-001219 v.5.0	: 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 – K010
LOT: GT5220-012-1020

NH₂C(NH)NH₂·HSCN ▲ F.W. 118.16 g/mol. ▲ CAS#: 593-84-0
 Manufacturing/Packaging Date: 10/31/20 Retest Date: 10/31/22
 Packaging Site: 100 Majestic Way, Bangor PA, 18013

ANALYSIS	SPECIFICATION	TEST RESULT
Absorbance	280 nm 300 nm 340 nm	0.400 a.u. max. 0.070 a.u. max. 0.050 a.u. max.
Appearance and Color	White / Crystals	0.101 a.u. 0.018 a.u. 0.005 a.u.
Assay, Dried Basis	99.0% min.	White / Crystals
Identification (FTIR)	Passes Test	100.5%
Melting Range	115 – 121 °C	Passes Test
pH (5% solution)	5.0 – 7.0	120 - 121°C
Solubility (35% solution)	Passes Test	5.6 @ 23.1°C
		Passes Test

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: *Amy Hosein* Date: 11/04/20 Job Title: QA Document Specialist

Reviewed by: *Carissa McCollian* Date: 11/4/20 Job Title: QA Supervisor