

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

Effective Date:	14-Oct-2019	14-Oct-2022	: Date of Next Review
Prepared By:	Carissa McCollan	16-001219 v.3.0	: Supersedes
QA/QC Approval:	Hannah Bernier	Amy Yenko	: Management Approval
Reason for Revision:	See Revision History in ensur.		

CERTIFICATE OF ANALYSIS
GUANIDINE THIOCYANATE
BIO ULTRA GRADE / GT5220 – K010
LOT: GT5220-010-1019

NH₂C(NH)NH₂-HSCN Δ F.W. 118.16 g/mol. Δ CAS#: 593-84-0

Packaging Date: 10/9/2019

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	0.1090 a.u. 0.0153 a.u. 0.0035 a.u.
Assay, Dried Basis	99.0% min.	White / Crystals
Identification (FTIR)	Passes Test	100.12%
Melting Range	115 – 121 °C	Passes Test
pH (5% solution)	5.0 – 7.0	119.1 – 120.3°C
Solubility (35% solution)	Passes Test	5.52 @ 23.0°C
		Passes Test

COUNTRY OF ORIGIN: China

TEST METHOD REFERENCE: 16-000043

INTENDED USE: Material represented by this Certificate of Analysis is suitable to be used only as the following: Quality System Manufactured Process Chemical for use in further Manufacturing or as a Reagent for Laboratory and Research. 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: Carissa McCollan Date: 10/14/19

Reviewed by: CL Date: 10/14/19