



INDOFINE Chemical Company, Inc.

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Certificate of Analysis

Catalogue Number	BIO-193
Product	Guanidine thiocyanate
Lot Number	001521-2020-42 Guanidine isothiocyanate
CAS Number	593-84-0
Molecular Formula	CH ₅ N ₃ •HSCN
Molecular Weight	118.16
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Appearance	White to slightly off-white crystalline
Solubility	Colorless clear solution (20% in Water)
Melting Point	118.6 - 120.5 °C
Anion	Chloride : < 1%
Cation	Ammonium (NH ₄) : < 0.1% Iron (Fe) : < 1 ppm Calcium (Ca) : < 5 ppm Zinc (Zn) : < 5 ppm
Water Content (Karl Fisher)	0.21%
pH	6.26
UV Ratios	UV-Absorbance A (280 nm) : 0.18 (35% in water) A (300 nm) : 0.02 (35% in water)
Sulfated Ash	< 0.1%
Assay	99.78% (Ion Chromatography)
Grade	Biotech Grade
Storage	Store at RT

Prepared by:
Ramesh Mandadi
Ramesh Mandadi
Director of Operations

Reviewed and approved by:
Sujata Moton
S. Moton
VP