



INDOFINE Chemical Company, Inc.

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Certificate of Analysis

Catalogue Number BIO-193
Lot Number 001521-2020-005
Product **Guanidine thiocyanate**

Guanidine isothiocyanate

CAS Number 593-84-0
Molecular Formula $\text{CH}_5\text{N}_3\cdot\text{HSCN}$

Molecular Weight 118.16

Appearance White to slightly off-white crystalline
Solubility Colorless clear solution (20% in Water)
Melting Point 116.9 - 117.9 °C
Anion Chloride : < 1%
Cation Ammonium (NH₄) : < 0.1%
Iron (Fe) : < 1 ppm
Calcium (Ca) : < 5 ppm
Zinc (Zn) : < 5 ppm

Water Content (Karl Fisher) 0.25%

pH 6.32

UV Ratios UV-Absorbance
A (280 nm) : 0.21 (35% in water)
A (300 nm) : 0.022 (35% in water)

Sulfated Ash < 0.1%

Assay 99.68% (Ion Chromatography)

Grade Biotech Grade

Storage Store at RT

Prepared by:
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VP