

# Certificate of Analysis



SCIENTIFIC

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An ISO 9001 Certified Company

## GUANIDINE THIOCYANATE

### PRODUCT NUMBER

IB05100 \_\_\_\_\_ 500gm

### LOT NO.

Lot# \_\_\_\_\_ 20J2001

### STORAGE

Store at room temperature. Keep tightly sealed. Protect from moisture.  
Light Sensitive.

### CAS NO.

CAS# \_\_\_\_\_ 593-84-0

### SPECIFICATIONS

|                             | Specification                             | Analysis | Disposition |
|-----------------------------|---|----------|-------------|
| Appearance                  | White to off-white crystalline            | Conforms | PASS        |
| Solubility (20% in Water)   | Colorless clear solution                  | Conforms | PASS        |
| Melting Point               | 116.9 - 117.9°C                           | Conforms | PASS        |
| Anion                       | Chloride < 1%                             | Conforms | PASS        |
| Cation                      | Ammonium (NH <sub>4</sub> ) < 0.1%        | Conforms | PASS        |
|                             | Iron (Fe) < 1ppm                          | Conforms | PASS        |
|                             | Calcium (Ca) < 5ppm                       | Conforms | PASS        |
|                             | Zinc (Zn) < 5ppm                          | Conforms | PASS        |
| DNase, RNase, Protease      | None Detected                             | Conforms | PASS        |
| Water Content (Karl Fisher) | 0.25%                                     | Conforms | PASS        |
| pH                          | 6.32                                      | Conforms | PASS        |
| UV Ratios                   | UV-Absorbance                             | Conforms | PASS        |
|                             | A <sub>280nm</sub> : 0.21 (35% in water)  | Conforms | PASS        |
|                             | A <sub>300nm</sub> : 0.022 (35% in water) | Conforms | PASS        |
| Sulfated Ash                | < 0.1%                                    | Conforms | PASS        |
| Assay                       | 99.68% (Ion Chromatography)               | Conforms | PASS        |

### DATE OF

Manufacture Date: \_\_\_\_\_ 07/06/2020

### CERTIFICATION

We certify that this batch conforms to the specifications listed above and has been reviewed by a quality representative. This document has been electronically produced and signed by IBI SCIENTIFIC.

Toby Frericks  
Quality Control

10/05/20  
Date

FOR RESEARCH AND DEVELOPMENT PURPOSES ONLY

Building Quality Scientific.