



CERTIFICATE OF ANALYSIS

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|--------------|--------------------------------------|
| Product | Guanidine thiocyanate |
| Grade | Ultra Pure |
| Product Code | GDR0244 |
| Formula | CH ₅ N ₃ ·CHNS |
| MW | 118.16 |
| CAS# | 593-84-0 |

| Test Items | Specifications | Results |
|--------------------------|---|---------------------|
| Appearance | White crystalline powder | Pass |
| Solubility (in water) | Clear and colorless solution at 6M in water | Clear and colorless |
| Purity | ≥99.0% | 99.8% |
| Abs. at 280nm (6M water) | ≤0.50 | 0.41 |
| Abs. at 300nm (6M water) | ≤0.10 | 0.06 |
| Abs. at 320nm (6M water) | ≤0.10 | 0.03 |
| Abs. at 410nm (6M water) | ≤0.10 | 0.01 |
| Mp(°C) | 118-121°C | 120°C |
| Moisture | ≤1.0% | Conforms |
| Ash | ≤0.1% | Conforms |
| Ammonium | ≤0.1% | Conforms |
| Iron | ≤1.0ppm | Conforms |

Storage: 18~25°C.