

BIOSPECTRA

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GUANIDINE HYDROCHLORIDE SPECIFICATION SHEET BIO PHARMA GRADE / GH4220

$\text{NH}_2\text{C}(\text{NH})\text{NH}_2 \cdot \text{HCl}$ * F.W. 95.53 g/mol. * CAS# 50-01-1

| ANALYSIS | | SPECIFICATIONS |
|----------------------|--------------|---------------------|
| Absorbance | 275 nm | 0.0300 a.u. maximum |
| | 260 nm | 0.0300 a.u. maximum |
| | 230 nm | 0.2000 a.u. maximum |
| Appearance and Color | | White / Crystals |
| Assay | | 99.5% minimum |
| Enzymes | DNase | None Detected |
| | Protease | None Detected |
| | RNase | None Detected |
| Identification (IR) | | Passes Test |
| Insoluble Matter | | 0.15% maximum |
| Loss on Drying | | 0.5% maximum |
| Melting Range | | 184-188°C |
| Nitrate | | 0.01% maximum |
| pH (6M) | | 4.5-6.0 |
| Residue on Ignition | | 0.05% maximum |
| Solubility (6M) | | Passes Test |
| Sulfate | | 0.01% maximum |
| Trace Metals | Arsenic (As) | 5 ppm maximum |
| | Copper (Cu) | 5 ppm maximum |
| | Iron (Fe) | 5 ppm maximum |
| | Lead (Pb) | 5 ppm maximum |