

# BIOSPECTRA

100 Majestic Way, Bangor, PA 18013 / [www.biospectra.us](http://www.biospectra.us)

## GUANIDINE HYDROCHLORIDE SPECIFICATION SHEET

### BIO EXCIPIENT GRADE / GH3220

$\text{NH}_2\text{C}(\text{NH})\text{NH}_2\cdot\text{HCl}$  ^ F.W. 95.53 ^ CAS#: 50-01-1

ANALYSIS		SPECIFICATIONS
Absorbance	260 nm	0.0300 a.u. maximum
	275 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