

# BIOSPECTRA

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

## GUANIDINE THIOCYANATE SPECIFICATION SHEET BIO PHARMA GRADE / GT4220

$\text{NH}_2\text{C}(\text{NH})\text{NH}_2\cdot\text{HSCN}$  \* F.W. 118.16 g/mol. \* CAS# 593-84-0

ANALYSIS		SPECIFICATIONS
Absorbance	280 nm	0.300 a.u. maximum
	300 nm	0.050 a.u. maximum
	340 nm	0.030 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
Loss on Drying		0.5% maximum
Melting Range		115-121°C
pH (5% solution)		5.0-7.0
Solubility (35%)		Clear
Trace Metals	Arsenic (As)	5 ppm maximum
	Copper (Cu)	5 ppm maximum
	Iron (Fe)	5 ppm maximum
	Lead (Pb)	5 ppm maximum