

Product Specification

GMP Manufactured Product

Test	Specification
NF – Identification A (IR)	Passes Test
NF – Identification B: Absorbance at 230 nm	≤ 0.2
NF – Identification B: Absorbance at 260 nm	≤ 0.03
NF – Identification B: Absorbance at 275 nm	≤ 0.03
NF – Identification C (Cl)	Passes Test
NF – Assay (dried basis)	99.5 – 101.0 %
NF – Residue on Ignition	≤ 0.05 %
NF – Sulfate	≤ 0.005 %
NF – Limit of Nitrate	≤ 0.005 %
NF – Acidity	≤ 0.01 %
NF – Loss on drying	≤ 0.5 %
NF – Melting range, Onset	≥ 184 °C
NF – Melting Range, Final	≤ 188 °C
RNase Activity (None Detected)	Passes Test
DNase Activity (None Detected)	Passes Test
Protease Activity (None Detected)	Passes Test
Arsenic and Antimony (as As)	≤ 0.500 ppm
Trace Impurities – Copper (Cu)	≤ 0.200 ppm
Cyanide (CN)	≤ 0.1 ppm
Trace Impurities – Iron (Fe)	≤ 2.0 ppm
Trace Impurities – Lead (Pb)	≤ 0.500 ppm
Particulate Matter	Passes Test

Guanidine Hydrochloride
GenAR®
Suitable for use in Biotechnology



Material No.: 0507-88

Test	Specification
------	---------------

GMP Manufactured Product
CAUTION: For Manufacturing, processing or repackaging
MANUFACTURED EXCLUSIVELY FOR AVANTOR PERFORMANCE MATERIALS, LLC., BY BIOSPECTRA, INC., STROUDSBURG, PA
Packaging Site: Paris Mfg Ctr & DC