

# BIOSPECTRA

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## MOPS SPECIFICATION SHEET BIO PHARMA GRADE / MP4220 $C_7H_{15}NO_4S$ $\Delta$ F.W. 209.26 g/mol. $\Delta$ CAS# 1132-61-2

ANALYSIS		SPECIFICATIONS
Absorbance (0.1M)	250 nm	0.020 a.u. maximum
	260 nm	0.020 a.u. maximum
	280 nm	0.020 a.u. maximum
Appearance and Color		White / Crystals
Assay		99.5% minimum
Chloride		0.005% maximum
Enzymes	DNase	None Detected
	RNase	None Detected
	Protease	None Detected
Identification (IR)		Passes Test
Karl Fischer Water		0.1% maximum
Loss on Drying		1.0% maximum
pH (1% solution)		3.0-4.5
pH (2.5M)		2.5-4.5
pK <sub>a</sub>		7.0-7.5
Residue on Ignition		0.1% maximum
Solubility (5%)		Passes Test
Sulfate		0.005% maximum
Trace Metals	Arsenic (As)	5 ppm maximum
	Copper (Cu)	5 ppm maximum
	Iron (Fe)	5 ppm maximum
	Lead (Pb)	5 ppm maximum