

BIOSPECTRA

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MOPS SPECIFICATION SHEET BIO EXCIPIENT GRADE / MP3220

$C_7H_{15}NO_4S \cdot \Delta$ F.W. 209.26 g/mol. Δ CAS# 1132-61-2

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