

BIOSPECTRA

100 Majestic Way, Bangor, PA 18013 / www.biospectra.us

TRIS SPECIFICATION SHEET BIO EXCIPIENT GRADE / TR3220 NH₂C(CH₂OH)₃ * F.W. 121.14 g/mol. * CAS# 77-86-1

ANALYSIS		SPECIFICATIONS
Absorbance (40%)	290 nm	0.2 a.u. max.
Appearance and Color		White / Crystals
Assay		99.0-101.0%
Enzymes	DNase	None Detected
	Protease	None Detected
	RNase	None Detected
Heavy Metals		5 ppm max.
Identification B		Passes Test
Identification C		Passes Test
Identification (IR)		Passes Test
Insoluble Matter		0.005% max.
Karl Fischer Water		2.0% max.
Loss on Drying		1.0% max.
Melting Range		168-172 °C
pH (5%)		10.0-11.5
Residue on Ignition		0.1% max.
Trace Metals	Arsenic (As)	5 ppm max.
	Calcium (Ca)	5 ppm max.
	Copper (Cu)	5 ppm max.
	Iron (Fe)	5 ppm max.
	Lead (Pb)	5 ppm max.
	Magnesium (Mg)	5 ppm max.