

BIOSPECTRA

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TRIS HCl SPECIFICATION SHEET BIO EXCIPIENT GRADE / TH3220

$\text{NH}_2\text{C}(\text{CH}_2\text{OH})_3 \cdot \text{HCl}$ * F.W. 157.60 g/mol * CAS#: 1185-53-1

ANALYSIS		SPECIFICATIONS
Absorbance	280 nm	0.06 a.u. max.
Appearance and Color		White / Crystals
Assay		99.5% min.
Enzymes	DNase	None Detected
	RNase	None Detected
	Protease	None Detected
Heavy Metals		2 ppm max.
Identification (IR)		Passes Test
Insoluble Matter		0.001% max.
Karl Fischer		0.5% max.
Melting Range		150 – 153 °C
pH (0.5M)		4.0 – 5.0
pK _a		8.0 – 8.4
Residue on Ignition		0.1% max.
Solubility		Passes Test
Trace Metals	Arsenic (As)	1 ppm max.
	Calcium (Ca)	1 ppm max.
	Copper (Cu)	1 ppm max.
	Iron (Fe)	1 ppm max.
	Lead (Pb)	1 ppm max.
	Magnesium (Mg)	1 ppm max.