

# BIOSPECTRA

100 Majestic Way, Bangor, PA 18013 / [www.biospectra.us](http://www.biospectra.us)

## TRIS / TROMETHAMINE SPECIFICATION SHEET BIO ACTIVE GRADE / TR2250

$\text{NH}_2\text{C}(\text{CH}_2\text{OH})_3$  ▲ F.W. 121.14 g/mol. ▲ CAS# 77-86-1

Meets or Exceeds USP Specifications

ANALYSIS		SPECIFICATIONS
Absorbance (40%)	290 nm	0.2 a.u. max.
Appearance and Color		White / Crystals
Assay		99.0–101.0%
Bacterial Endotoxins		3.0 EU/gram max.
Enzymes	DNase	None Detected
	RNase	None Detected
	Protease	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% max.
LOD		1.0 % max.
Melting Range		168 – 172 °C
Microbial Content	<i>Escherichia coli</i>	Negative
	<i>Pseudomonas aeruginosa</i>	Negative
	<i>Salmonella</i>	Negative
	<i>Staphylococcus aureus</i>	Negative
	TAMC	1000 CFU/g max.
	TYMC	100 CFU/g max.
pH (1 in 20)		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.