

BIOSPECTRA

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

TRIS / TROMETHAMINE SPECIFICATION SHEET BIO FUISA GRADE / TR1220

$\text{NH}_2\text{C}(\text{CH}_2\text{OH})_3$ ▲ 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. |