

# Chem-Impex International, Inc.

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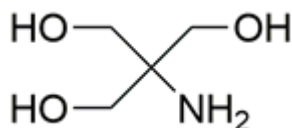
**Web site:** www.chemimpex.com

**Manufacturing site:**

825 Dillon Drive

Wood Dale, IL 60191

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## Product Specifications

<b>Catalogue Number</b>	38781
<b>Product</b>	<b>Trizma base</b> Trometamol 2-Amino-2-(hydroxymethyl)-1,3-propanediol
<b>CAS Number</b>	77-86-1
<b>Molecular Formula</b>	C <sub>4</sub> H <sub>11</sub> NO <sub>3</sub>
<b>Molecular Weight</b>	121.10

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<b>Appearance</b>	White crystalline powder
<b>Solubility</b>	Clear and colorless (40% in H <sub>2</sub> O)
<b>Melting Point</b>	168 - 172 °C
<b>Heavy Metals</b>	≤ 2 ppm (as Pb)
<b>Anion</b>	Chloride (Cl <sup>-</sup> ) : ≤ 10 ppm
<b>Cation</b>	Iron (Fe) : ≤ 5 ppm
<b>pH</b>	10.3 - 10.5 (1.51 g in 250 mL H <sub>2</sub> O) 10.0 - 11.5 (5% solution in H <sub>2</sub> O)
<b>Infrared Spectrum</b>	Conforms to structure
<b>UV Ratios</b>	≤ 0.10 (40% w/w in H <sub>2</sub> O, A 290nm)
<b>Loss on Drying</b>	≤ 0.5%
<b>RNase, DNase, Protease</b>	None detected
<b>Endotoxin Test</b>	≤ 0.01 EU/mg
<b>Related Substances</b>	≤ 1.0%
<b>Residue On Ignition</b>	≤ 0.1%
<b>Assay by titration</b>	≥ 99.9% (dried basis)
<b>Grade</b>	suitable for cell culture
<b>Storage</b>	Store at RT
<b>Additional Information</b>	Bioburden : ≤ 100 CFU/g

# *Product Specifications*

Catalog Number: 38781

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**For Laboratory Use Only**