

# Chem-Impex International, Inc.

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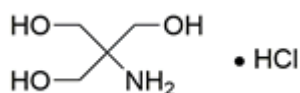
**Manufacturing site:**

825 Dillon Drive

Wood Dale, IL 60191

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## Product Specifications



<b>Catalogue Number</b>	38782
<b>Product</b>	<b>Trizma hydrochloride</b> 2-Amino-2-(hydroxymethyl)-1,3-propanediol hydrochloride Tris(hydroxymethyl)aminomethane hydrochloride
<b>CAS Number</b>	1185-53-1
<b>Molecular Formula</b>	C <sub>4</sub> H <sub>12</sub> ClNO <sub>3</sub>
<b>Molecular Weight</b>	157.60

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<b>Appearance</b>	White crystalline powder
<b>Solubility</b>	Clear and complete solution (1 M in water)
<b>Melting Point</b>	150 - 153 °C
<b>Heavy Metals</b>	≤ 5 ppm (as Pb)
<b>Cation</b>	Iron (Fe) : ≤ 1 ppm
<b>Water Content (Karl Fisher)</b>	≤ 0.5%
<b>pH</b>	3.7 - 4.7
<b>pKa</b>	8.0 - 8.4 at 20 °C
<b>Infrared Spectrum</b>	Conforms to structure
<b>UV Ratios</b>	UV Abs. at 1M in Water : A <sub>260 nm</sub> : ≤ 0.02 A <sub>280 nm</sub> : ≤ 0.02
<b>Loss on Drying</b>	≤ 0.4% (105 °C, 2h)
<b>Sulfated Ash</b>	≤ 0.1% (ROI)
<b>Assay by titration</b>	99 - 100% (Dried basis)
<b>Grade</b>	Suitable for cell culture
<b>Storage</b>	Store at RT

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**For Laboratory Use Only**