

TRIS Hydrochloride  
Biotech Reagent  
Made from Tromethamine USP



Material No.: 4106-07  
Revision No.: 0

## Product Specification

GMP Manufactured Product

Test	Specification
Assay ( $\text{NH}_2\text{C}(\text{CH}_2\text{OH})_3 \cdot \text{HCl}$ )	$\geq 99.0 \%$
Appearance (colorless crystals to white crystalline powder)	Passes Test
Absorbance of a 1M Solution – 260 nm	$\leq 0.06$
Absorbance of a 1M Solution – 280 nm	$\leq 0.06$
Absorbance of a 1M Solution – 400 nm	$\leq 0.01$
Identification (by IR)	Passes Test
Loss on Drying at 105°C	$\leq 0.5 \%$
Endotoxin Concentration (EU/g)	$\leq 2.5$
Melting Point	147 – 153 °C
pH of 0.5M Solution at 25°C	3.5 – 5.0
Trace Impurities – Arsenic (As)	$\leq 10 \text{ ppm}$
Trace Impurities – Calcium (Ca)	$\leq 10 \text{ ppm}$
Trace Impurities – Copper (Cu)	$\leq 10 \text{ ppm}$
Trace Impurities – Iron (Fe)	$\leq 10 \text{ ppm}$
Trace Impurities – Lead (Pb)	$\leq 10 \text{ ppm}$
Trace Impurities – Magnesium (Mg)	$\leq 10 \text{ ppm}$

For questions on this Product Specification please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials, LLC  
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone 610.386.1700

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CAUTION: For Manufacturing, processing or repackaging

No Class 1,2,3 or other solvents are used or produced in the manufacturing or purification of the product.

Manufactured exclusively for Avantor Performance Materials, LLC., by BioSpectra, Inc., Stroudsburg, PA

Packaging Site: Paris Mfg Ctr & DC

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