

3050 Spruce Street, Saint Louis, MO 63103, USA

Website: www.sigmaaldrich.comEmail USA: techserv@sial.comOutside USA: eurtechserv@sial.com

Product Specification

Product Name:

Trizma® hydrochloride – BioPerformance Certified, suitable for cell culture, ≥99.0% (titration)

Product Number:

T5941

CAS Number:

1185-53-1

MDL:

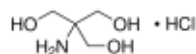
MFCD00012590

Formula:

C₄H₁₁NO₃ · HCl

Formula Weight:

157.60 g/mol



TEST

Specification

ICP-MS (Total: Ag, As, Bi, Cd, Cu, Hg, Mo, Pb, Sb, Sn)	≤ 5 ppm
Appearance (Color)	White
Appearance (Form)	Crystalline Powder
Solubility (Color)	Colorless
Solubility (Turbidity) 200 g + 300 ml, H ₂ O	Clear
Infrared spectrum	Conforms to Structure
Water (by Karl Fischer)	≤ 0.5 %
Titration with NaOH	≥ 99.0 %
UV Absorbance 280nm (C = 1 M in H ₂ O)	≤ 0.06
UV Absorbance 260nm (C = 1 M in H ₂ O)	≤ 0.06
UV Absorbance 290nm (C = 40% in H ₂ O)	≤ 0.05
Recommended Retest Period 6 years	-----
DNAse, Exonuclease Detection	None Detected
NICKase, Endonuclease Detection	None Detected
RNase Detection	None Detected
Protease Detection	None Detected
Endotoxin Level	≤ 0.1 EU/mg
Total Aerobic Microbial Count	≤ 100 CFU/g
Cell Culture Test	Pass

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.



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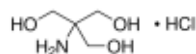
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TEST	Specification
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Suitability

Suitable for use in electrophoresis

Suitable

Specification: PRD.5.ZQ5.10000032318

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