

Product Specifications



**AMERICAN
BIOANALYTICAL**

Phone: (800)443-0600
Fax: (508)655-2754
Email: info@americanbio.com

Tris

AB02000

tris [hydroxymethyl] aminomethane, endotoxin tested

Specifications

CAS	77-86-1
grade	Ultra Pure
formula weight	121.14
formula	C ₄ H ₁₁ NO ₃
physical description	white crystalline powder

	Minimum	Maximum
appearance	pass	
assay (on dry basis)	99.9%	100.1%
melting range	169.0°C	173.0°C
pH of 5% Aqueous solution	10.0	11.5
water by KF		0.3%
heavy metals as Pb		2.0ppm
heavy metals as Fe		5.0ppm
magnesium		1.0ppm
calcium		1.0ppm
absorbance A 260 (1M solution)		0.06
absorbance A 280 (1M solution)		0.05
absorbance A 290 (1M solution)		0.20
insoluble matter		50.0ppm
identification by IR	pass	
residue on ignition		0.1%
organic volatile impurities	pass	
endotoxins		2.5eu/g

Notes and Applications

biological buffer

pka: 8.3, effective buffer range pH 7.0 - 9.1

DNase, RNase, Protease: none detected

Williams, S., Slatko, B., and McCarrey, J., *Laboratory Investigations in Molecular Biology*

Jones and Bartlett, Sudbury, MA (2006)

store dry at room temperature