



CERTIFICATE OF ANALYSIS

Product Name: Tris, Free Base

Catalog Number: T041
Molecular Formula: $C_4H_{11}NO_3$
Formula Weight: 121.14

Lot Number: 08142003
CAS Number: 77-86-1

<u>Test</u>	<u>Specifications</u>	<u>Results</u>
Appearance	White Crystalline Powder	PASS
Identity Test	Passes Test	PASS
Purity	≥99.5%	100.1%
Moisture	≤1.0%	0.1 %
Solubility (10% H ₂ O)	Clear, Colorless Solution	PASS
Insolubles	≤0.005%	≤0.005%
pH (5%, H ₂ O)	10.0-11.5	10.8
Melting Point	168-172°C	169°C
Arsenic (As)	≤0.0005%	<0.0005%
Copper (Cu)	≤0.0001%	<0.0001%
Iron (Fe)	≤0.0001%	<0.0001%
Lead (Pb)	≤0.0001%	<0.0001%
Magnesium (Mg)	≤0.0005%	<0.0005%
Abs at 280nm (1M, H ₂ O)	≤0.05%	0.01
Abs at 290nm (40%, H ₂ O)	≤0.2%	0.0454
Abs at 400nm (40%, H ₂ O)	≤0.05%	0.01

Additional Information

Store at 15 to 30°C

Recommended Retest: May 2021

This product meets or exceeds the quality standards established by Caisson Laboratories, Inc.

This product is intended for laboratory use only.

Becky Kowallis 8/21/2014
Quality Control