

## **Certificate of Analysis**

## **TRIS-HCl**

(Tris (Hydroxymethyl) Aminomethane Hydrochloride)

Catalog #	<u>Size</u>
IB70162	500 gm

**Catalog Number:** IB70162

Lot Number: 18E0158

Molecular Formula: C<sub>4</sub>H<sub>11</sub>NO<sub>3</sub>•HCl

**Molecular Weight:** 157.64

**Appearance**: White, crystalline powder to needle-like crystals

Assay	<u>Min</u>	<u>Max</u>	<b>Actual</b>	<u>Units</u>	<b>Disposition</b>
Purity (Titration)	99.5		100.4	<del>%</del>	PASS
Insolubles		0.001	<=0.001	%	PASS
pH (0.1M, Water) @25°C	4.2	4.9	4.6		PASS
Lead		< 0.0001	< 0.0001	%	PASS
Iron		< 0.001	< 0.0001	%	PASS
Copper		< 0.0001	< 0.0001	%	PASS
Magnesium		< 0.0001	< 0.0001	%	PASS
Manganese		< 0.0001	< 0.0001	%	PASS
Calcium		< 0.0001	< 0.0001	%	PASS
Zinc		< 0.0001	< 0.0001	%	PASS
RNase		NONE	NONE	P/F	PASS
DNase		NONE	NONE	P/F	PASS
Protease		NONE	NONE	P/F	PASS

## Storage

Store at room temperature. Protect from moisture.

This signature indicates that the above material has met all quality specifications and has been reviewed by a quality representative.

Signature: <u>Toby Frericks</u>

Date: 07/10/2018