

# BUFFERS

BY

# SORACHIM

## TRIS Hydrochloride (Tris(Hydroxymethyl)-aminomethane Hydrochloride)

### TRH-190C

#### SPECIFICATIONS

CAS	1185-53-1
Appearance:	White crystalline powder
Formula weight:	157.64
Molecular formula:	$C_4H_{12}NO_3Cl$
Assay (titration):	> 99 %
A260 (1M, H <sub>2</sub> O):	< 0.06
A280 (1M, H <sub>2</sub> O):	< 0.05
Loss on drying:	< 0.5 %
Melting point:	151 ± 2 °C
pH (0.5M aq at 25 °C):	3.5 - 5.0
pKa (20 °C):	8.0 - 8.4
Solubility (1M, H <sub>2</sub> O, 20 °C):	Clear, colorless solution
Insoluble matter:	< 0.005 %
Heavy metals (as Pb):	< 5 ppm
Arsenic (As):< 1 ppm	Copper (Cu):< 1 ppm
Barium (Ba):< 1 ppm	Iron (Fe):< 5 ppm
Calcium (Ca):< 5 ppm	Magnesium (Mg):< 5 ppm
Storage:	Room temperature. Protect from moisture and light
Stability:	Stable at least 2 years.

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