



Specification

Tris Base ACS/USP

Catalog Number: TB1004
CAS Number: 77-86-1
Molecular Formula: $C_4H_{11}NO_3$
Molecular Weight: 121.14
Storage: 15°C – 30°C
Retest Period: Three years from the date of manufacture

Test	Specification
Appearance	White crystalline powder
Assay (Dry Basis)	99.5 – 100.1%
Identification (A,B,C)	To pass tests
Melting Point	168.0°C to 172.0°C
pH (0.05M Solution)	10.3 - 10.5
pH (5.0% Solution in H ₂ O)	10.0 to 11.5
Absorbance (290nm, 40% Solution in H ₂ O)	≤ 0.2
Moisture	≤ 1.0
Residue on Ignition	≤ 0.1%
Insoluble Matter	≤ 0.005%
Heavy Metals (as Pb)	≤ 5ppm
Iron (Fe)	≤ 5ppm
Residual Solvents	To pass test

Approved:

Date: September 18, 2018

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