



## Specification

### Tris Base 99.9%

**Catalog Number:** TR1003  
**CAS Number:** 77-86-1  
**Molecular Formula:**  $C_4H_{11}NO_3$   
**Molecular Weight:** 121.14  
**Storage:** 15°C – 30°C  
**Retest Period:** Five years from the date of manufacture

Test	Specification
Appearance	White crystalline powder
Assay	≥ 99.9%
Identification (IR)	To match standard
Melting Point	168.0°C to 172.0°C
pH (5.0% solution in H <sub>2</sub> O)	10.0 to 11.5
Solubility (40% solution in H <sub>2</sub> O)	Clear, slightly yellow solution
Turbidity (40% solution in H <sub>2</sub> O)	≤ 2.0
APHA Color (20% solution in H <sub>2</sub> O)	≤ 25
UV Abs (10% solution in H <sub>2</sub> O)	
@260nm	≤ 0.1
@280nm	≤ 0.08
@430nm	≤ 0.009
Moisture	≤ 0.5%
Residue on Ignition	≤ 0.1%
Heavy Metals (as Pb)	≤ 2ppm
Iron (Fe)	≤ 1ppm
Sulfate	≤ 5ppm

Approved:

Date: May 5, 2015

John Grubb, PhD  
Gojira Fine Chemicals  
Quality Manager  
Tel: 440-600-4666, Fax: 888-211-5523  
[docsupport@gojiraafc.com](mailto:docsupport@gojiraafc.com)