

# Product Specification Sheet



**Product Code:** BIO-1401  
**Identifier:** Tris  
**Grade:** Biotechnology Grade  
**Appearance:** White, odorless crystalline powder  
**Molecular Formula:**  $\text{NH}_2\text{C}(\text{CH}_2\text{OH})_3$   
**Molecular Weight:** 121.14 g/mol  
**Description:** Not Applicable  
**Storage Condition:** Store between 20°C - 25°C. Protect from moisture.  
**Additional Info:** Not Applicable

| Assay:               | Specification: |
|----------------------|----------------|
| Assay (after drying) | ≥ 99.9 %       |
| Solubility in water  | Clear          |
| Melting point        | 170 – 174°C    |
| Absorbance (260nm)   | < 0.05         |
| Loss on drying       | < 0.5 %        |
| pH (0.1mol/L, 25°C)  | 10.0 – 10.8    |
| Chloride (Cl)        | < 0.001 %      |
| Sulfate (SO4)        | < 0.001 %      |
| Copper (Cu)          | < 2 ppm        |
| Lead (Pb)            | < 2 ppm        |
| Iron (Fe)            | < 2 ppm        |
| RNase                | < 0.01 ppm     |
| DNase                | < 1 ppm        |
| Protease             | < 1 ppm        |

## Axil Scientific Pte Ltd

2 Tukang Innovation Grove, #06-01 JTC MedTech Hub, Singapore 618305  
Tel: +65-6775 7318 Email: [custcare@axilscientific.com](mailto:custcare@axilscientific.com)  
Website: [www.axilscientific.com](http://www.axilscientific.com)