

Aladdin warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Aladdin-e.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.

Specification Sheet

Product Name: **Tris(hydroxymethyl)aminomethane hydrochloride**
Specifications & Purity: **Ultra pure, ≥99%**
SKU #: **T105289**

| Parameter | Limit Values |
|---|--------------------------|
| Lead (Pb) | 0-0.0005 (%) |
| Copper(Cu) | 0-0.0005 (%) |
| UV Absorbance 260nm(at 1M in H ₂ O) | 0-0.06 |
| Cobalt (Co) | 0-0.0005 (%) |
| Purity (Titration by NaOH) | 99-101 (%) |
| Sulfate(SO ₄ ²⁻) | 0-0.005 (%) |
| Oxygen by Elemental Analysis | 30-30.7 (%) |
| Ignition Residue (as sulfate) | 0-0.2 (%) |
| Carbon by Elemental Analysis | 29.55-31.38 (%) |
| UV Absorbance 280nm(at 1M in H ₂ O) | 0-0.06 |
| Strontium(Sr) | 0-0.0005 (%) |
| Zinc(Zn) | 0-0.0005 (%) |
| Cadmium(Cd) | 0-0.0005 (%) |
| Barium(Ba) | 0-0.0005 (%) |
| Nitrogen by Elemental Analysis | 8.6-9.1 (%) |
| Bismuth(Bi) | 0-0.0005 (%) |
| Loss on drying | 0-0.2 (%) |
| Aluminum(Al) | 0-0.0005 (%) |
| Appearance (T105289) | White Powder or Crystals |
| Infrared spectrum | Conforms to Structure |
| Insoluble matter | pass |
| Proton NMR spectrum | Conforms to Structure |
| Solubility in H ₂ O , Colorless and clear(0.5M,20°C) | pass |
| UV Absorbance 290nm(40%,H ₂ O) | 0-0.05 |

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