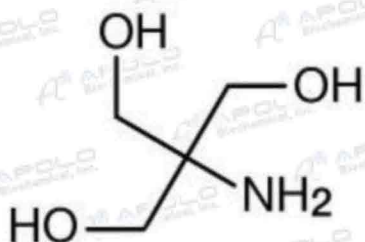


## CERTIFICATE OF ANALYSIS

**Product Name:** Tris

**Chemical Structure:**



**Lot Number:** UC1100906  
**CAT Number:** APL-0082  
**CAS Registry Number:** 77-86-1  
**Manufacture Date:** 09/2021  
**Expiry Date:** 09/2024  
**Molecular Formula:** NH<sub>2</sub>C(CH<sub>2</sub>OH)<sub>3</sub>  
**Molecular Weight:** 121.14 g/mol  
**Storage:** RT

## Analysis Data

| Items      | Specification            | Results  |
|------------|--------------------------|----------|
| Appearance | White crystalline powder | Conforms |
| Purity     | ≥ 99.0 %                 | 99.8 %   |

The foregoing is a copy of the Certificate of Analysis as provided by our supplier

**Jennifer LaBrecque 10/2021**  
Quality Assurance Manager

**Conclusion:** The above product meets the specifications of APOLO