

## CERTIFICATE OF ANALYSIS

**PRODUCT NAME : TRIS BUFFER AR**

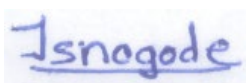
**CAS No : 77-86-1**  
**Mol. Formula :  $\text{NH}_2 \cdot \text{C}(\text{CH}_2\text{OH})_3$**   
**Mol. WT : 121.14**  
**Date of analysis : 10/08/24**

**Product code : 26760**  
**Batch No : MCAR-00478**  
**Mfd. : Aug. 2024**  
**Exp. : July 2029**

| S.R | Test                                      | Specification                                                                    | Observation                 |
|-----|-------------------------------------------|----------------------------------------------------------------------------------|-----------------------------|
| 1   | <b>Description</b>                        | A white to almost white or colourless crystals or powder or crystalline powder . | A white crystalline powder. |
| 2   | <b>Assay(on dried substances)</b>         | 99.8%min                                                                         | 99.89%                      |
| 3   | <b>Melting Point</b>                      | 169 – 171 <sup>0</sup> C                                                         | 170.1 <sup>0</sup> C        |
| 4   | <b>Insoluble matter</b>                   | 0.003% max                                                                       | 0.001%                      |
| 5   | <b>Chloride (Cl)</b>                      | 0.001% max                                                                       | < 0.001%                    |
| 6   | <b>Sulphated ash</b>                      | 0.01% max                                                                        | 0.007%                      |
| 7   | <b>Loss on drying at 105<sup>0</sup>C</b> | 0.5% max                                                                         | 0.36%                       |
| 8   | <b>Sulfate(SO<sub>4</sub>)</b>            | 0.005 % max                                                                      | < 0.005 %                   |
| 9   | <b>Lead (Pb)</b>                          | 0.0002% max                                                                      | < 0.0002%                   |
| 10  | <b>Iron (Fe)</b>                          | 0.0001% max                                                                      | < 0.0001%                   |
| 11  | <b>Arsenic(As)</b>                        | 0.0001% max                                                                      | < 0.0001%                   |
| 12  | <b>Copper(Cu)</b>                         | 0.0001% max                                                                      | < 0.0001%                   |

**REMARK:** THE PRODUCT COMPLIES WITH THE ABOVE SPECIFICATIONS

**[Tested By]**



**CHEMIST  
(Jyoti)**

**[QC Incharge]**



**HEAD-QUALITY ASSURANCE  
(G.G.Salián)**

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