

## Product Specification

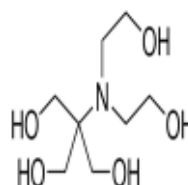
Product Name:  
BIS-TRIS -

Product Number: RES1161B-A7

CAS Number: 6976-37-0

Formula: C<sub>8</sub>H<sub>19</sub>NO<sub>5</sub>

Formula Weight: 209.24 g/mol



| TEST  | Specification         |
|---|-----------------------|
| Appearance (Color)                            | White                 |
| Appearance (Form)                             | Powder                |
| Infrared Spectrum                             | Conforms to Reference |
| Solubility (Turbidity)                        | Clear                 |
| 0.1M aqueous                                  |                       |
| Solubility (Color)                            | Colorless             |
| 0.1M aqueous                                  |                       |
| Solubility (Form)                             | Solution              |
| 0.1M aqueous                                  |                       |
| Water (by Karl Fischer)                       | ≤ 1.0 %               |
| Heavy Metals                                  | ≤ 3 ppm               |
| Iron (Fe)                                     | ≤ 3 ppm               |
| Titration with H <sub>2</sub> SO <sub>4</sub> | 99.0 - 101.0 %        |
| Cytotoxicity                                  | Pass                  |
| DNase - Nickase                               | Pass                  |
| DNase-Endo/Exonuclease                        | Pass                  |
| RNAse Detection                               | Pass                  |
| pH  | 8.8 - 9.8             |
| 1.0% aqueous                                  |                       |
| Endotoxin                                     | ≤ 50 EU/g             |
| Yeast and Mold                                | ≤ 100 CFU/g           |
| Bioburden                                     | < 100 CFU/g           |
| Protease Detection                            | Pass                  |
| UV Absorbance 280nm                           | ≤ 0.04 Abs UN         |
| 0.1M aqueous                                  |                       |

Sigma-Aldrich 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 [Sigma-Aldrich.com](http://Sigma-Aldrich.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.



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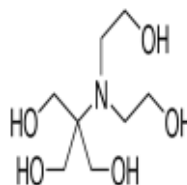
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| TEST | Specification |
|------|---------------|
|------|---------------|

UV Absorbance 340nm  
0.1M aqueous

≤ 0.02 Abs UN

Specification: PRD.1.ZQ5.10000050462

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