

# *Chem-Impex International, Inc.*

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## *Certificate of Analysis*

|                          |  |
|--------------------------|--|
| <b>Catalogue Number</b>  | 38781  |
| <b>Lot Number</b>        | 001135-0470212   |
| <b>Product</b>           | <b>2-Amino-2-(hydroxymethyl)-1,3-propanediol</b><br>Trometamol |
| <b>CAS Number</b>        | 77-86-1  |
| <b>Molecular Formula</b> | C <sub>4</sub> H <sub>11</sub> NO <sub>3</sub>                 |
| <b>Molecular Weight</b>  | 121.10   |

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|-------------------------------|--|
| <b>Appearance</b>             | White crystalline powder   |
| <b>Solubility</b>             | Clear and colorless solution (40% in H <sub>2</sub> O)                             |
| <b>Melting Point</b>          | 170 - 171 °C   |
| <b>Heavy Metals</b>           | < 1 ppm (as Pb)  |
| <b>Anion</b>                  | Chloride (Cl <sup>-</sup> ) : < 10 ppm   |
| <b>Cation</b>                 | Iron (Fe) : < 1 ppm  |
| <b>pH</b>                     | 10.4 (1.51 g in 250 mL H <sub>2</sub> O)<br>10.9 (5% solution in H <sub>2</sub> O) |
| <b>Infrared Spectrum</b>      | Conforms to structure  |
| <b>UV Ratios</b>              | 0.0134 (40% w/w in H <sub>2</sub> O, A290 nm)                                      |
| <b>Loss on Drying</b>         | 0.3%   |
| <b>RNase, DNase, Protease</b> | None detected  |
| <b>Endotoxin Test</b>         | < 0.01 EU/mg   |
| <b>Related Substances</b>     | < 1.0%   |
| <b>Residue On Ignition</b>    | < 0.1%   |
| <b>Assay by titration</b>     | 100.2% (dried basis)   |
| <b>Grade</b>                  | suitable for cell culture  |
| <b>Storage</b>                | Store at RT  |
| <b>Additional Information</b> | Bioburden : < 10 CFU/g<br>Identification : A,B,C : Passes test                     |

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**Remarks**

See material safety data sheet for additional information

For laboratory use only

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



**Bala Kumar**  
**Quality Control Manager**