



## TRIS Buffer

**B-TRIS500**

09/09

<b>IUPAC Name</b>	2-amino-2-(hydroxymethyl)propane-1,3-diol
<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>	121.14
<b>Assay</b>	≥ 99.5 %
<b>pKa (25°C)</b>	8.1
<b>Useful pH range</b>	7 - 9

### Storage

Store in cool place.  
Keep container tightly closed in a dry and well-ventilated place.

### Physical properties

Appearance  
Solubility in water (40 % solution)  
Melting point (°C)  
Loss on drying

### Specification

White crystalline solid  
Clear solution  
167-172°C  
≤ 1.0 %

### Impurities

Heavy metals ≤ 5ppm  
Chlorides ≤ 3ppm  
Iron ≤ 2ppm