

## Trise base, For Molecular Biology

**MB029**

### Product Identifier

|                   |   |                                               |
|-------------------|---|-----------------------------------------------|
| CAS No.           | : | 77-86-1                                       |
| EC No.            | : | 201-064-4                                     |
| Molecular Formula | : | $\text{NH}_2\text{C}(\text{CH}_2\text{OH})_3$ |
| Molecular Weight  | : | 121.14                                        |
| Synonym           | : | Tris(hydroxymethyl)aminomethane               |
| HS Code           | : | 2922 19 90                                    |
| Storage           | : | Below 30°C                                    |
| Shelf life        | : | 4 years                                       |

### Technical Specification

|                                                                        |   |                                                                        |
|------------------------------------------------------------------------|---|------------------------------------------------------------------------|
| Appearance                                                             | : | Colourless or white to off-white crystals or powder or chunks or solid |
| Solubility                                                             | : | 100 mg soluble in 1 mL of water                                        |
| DNases                                                                 | : | None detected                                                          |
| RNases                                                                 | : | None detected                                                          |
| Proteases                                                              | : | None detected                                                          |
| pH (5% in water at 25°C)                                               | : | 10.00 - 11.50                                                          |
| FTIR                                                                   | : | Matches with the standard pattern                                      |
| Melting range                                                          | : | 162 - 176°C                                                            |
| Absorbance                                                             | : | Passes test                                                            |
| Iron (Fe)                                                              | : | $\leq 0.0005\%$                                                        |
| Heavy metals (as Pb)                                                   | : | $\leq 0.0005\%$                                                        |
| Insoluble matter                                                       | : | $\leq 0.005\%$                                                         |
| Water (K.F.)                                                           | : | $\leq 2.00\%$                                                          |
| Assay (HCl/H <sub>2</sub> SO <sub>4</sub> /NT Titration, on dry basis) | : | 99.80 - 100.10%                                                        |

### Safety Information

|                            |   |                                                                                     |
|----------------------------|---|-------------------------------------------------------------------------------------|
| Hazard Pictogram(s)        | : |  |
| Signal Word                | : | Warning                                                                             |
| Hazard Statement(s)        | : | H315- H319- H335                                                                    |
| Precautionary Statement(s) | : | P261- P280- P312- P403 + P233- P501                                                 |
| UN No.                     | : | Not dangerous goods                                                                 |
| Class                      | : | -                                                                                   |
| Packing Group              | : | -                                                                                   |
| RTECS                      | : | TY2900000                                                                           |
| WGK                        | : | 1                                                                                   |