



BIMAL PHARMA PVT. LTD., MUMBAI, INDIA
(ISO 9001 : 2015 & AEO T1 Certified Co.)

M/S. BIMAL PHARMA PVT. LTD. MUMBAI (INDIA)	FINISHED PRODUCT INFORMATION
QUALITY CONTROL AND ASSURANCE	PRODUCT : TRIS Buffer (LR / GR / AR GRADE)
MSDS No. : BPPL 156	SPECIFICATION No. : FP 156

1. **NOMENCLATURE** : 2-Amino-2-Hydroxymethyl-Propane-1,3-Diol
: Tromethamine
: Tris (Hydroxymethyl) Aminomethane
2. **CAS NO.** : 77-86-1
3. **HSN Code** : 29222190
4. **EMPIRICAL FORMULA** : $C_4H_{11}NO_3$
5. **MOL. WT.** : 121.14
6. **STRUCTURAL FORMULA** :
7. **MELTING RANGE** : 168.0°C to 171°C
8. **DESCRIPTION** : White crystalline powder, Free Flowing
: Highly soluble in water
9. **APPLICATIONS** : Most common Buffer for Biology /
Biochemistry in laboratory.
: Lab. Primary Standard for chemical analysis.

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1. **DESCRIPTION** : White crystalline powder. Free Flowing
2. **SOLUBILITY** : Solubility in water at 20°C, 80 gms./100 ml.
3. **IDENTIFICATION (IR)** : Passes
4. **CLARITY & COLOUR OF SOLUTION
(APPEARANCE OF SOLUTION)** : Soluble in 10% water, solution is clear and colorless.
5. **WATER CONTENT** : ≤0.20 %
6. **ARSENIC** : NMT 0.0005 % (5 PPM)
7. **RESIDUE ON IGNITION** : NMT 0.05%
8. **COPPER** : NMT 0.0001% (1 PPM)
9. **pH (5% Water) at 25 °C** : 10.0 to 11.5
10. **WATER INSOLUBLE** : NMT 0.005% (50 PPM)
11. **IRON CONTENT** : NMT 0.0001% (1 PPM)
12. **LEAD (Heavy Metal)** : NMT 0.0002% (2 PPM)
13. **SULPHATE** : NMT 0.001% (10 PPM)
14. **CHLORIDE** : NMT 0.0001% (1 ppm)

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15. **Ultraviolet Absorbance (40% aq.) (280 nm)** : NMT 0.06
16. **Ultraviolet Absorbance (40% aq.) (400 nm)** : NMT 0.02
17. **ASSAY (ODB)** : 99.90% - 101%
18. **PACKING** : 25 Kgs. Round Fibre drum with PE liner inside.