

SPECIFICATION

2-Amino-2-hydroxymethyl-1,3-propanediol 999
for Biochemistry

| REQUIREMENT | SPECIFICATION |
|--|--------------------------------------|
| Appearance | White, crystals ~ crystalline powder |
| Solubility in water | to pass test |
| Melting point | 168~172°C |
| Absorbance (400g/l, 260nm) | max.0.05 |
| Absorbance (400g/l, 290nm) | max.0.05 |
| Loss on drying at 105°C | max.0.1% |
| pH of a 0.1mol/l solution at 25°C | 10.0~10.8 |
| Chloride (Cl) | max.5ppm |
| Sulfate (SO ₄) | max.0.002% |
| Copper (Cu) | max.0.2ppm |
| Magnesium (Mg) | max.1ppm |
| Calcium (Ca) | max.4ppm |
| Zinc (Zn) | max.0.5ppm |
| Cadmium (Cd) | max.0.1ppm |
| Mercury (Hg) | max.0.01ppm |
| Lead (Pb) | max.0.5ppm |
| Arsenic (As) | max.0.5ppm |
| Iron (Fe) | max.1ppm |
| Suitability for use in buffer solution | to pass test |
| Assay | min.99.9% |