

## SPECIFICATION

Guanidine Thiocyanate  
for Biochemistry

| REQUIREMENT                    | SPECIFICATION                        |
|--------------------------------|--------------------------------------|
| Appearance                     | White, crystals ~ crystalline powder |
| Solubility in water            | to pass test                         |
| Melting point                  | 118~121°C                            |
| Absorbance (6mol/L, 280nm)     | max.1.0                              |
| Absorbance (6mol/L, 300nm)     | max.0.20                             |
| Absorbance (6mol/L, 340nm)     | max.0.10                             |
| pH of a 50g/L solution at 25°C | 4.0~7.0                              |
| Chloride (Cl)                  | max.0.3%                             |
| Sulfate (SO <sub>4</sub> )     | max.0.005%                           |
| Copper (Cu)                    | max.0.2ppm                           |
| Lead (Pb)                      | max.0.5ppm                           |
| Arsenic (As)                   | max.0.5ppm                           |
| Iron (Fe)                      | max.1ppm                             |
| Fluorescence test              | to pass test                         |
| Assay                          | min.99.0%                            |