

## SPECIFICATION

## Sodium Silicate Solution(abt.22%)

Wako Special Grade

| REQUIREMENT                                       | SPECIFICATION                            |
|---------------------------------------------------|------------------------------------------|
| Appearance                                        | Colorless ~ slightly brown, clear liquid |
| Density (20°C)                                    | 1.200~1.220g/mL                          |
| pH at 25°C                                        | 11.0~12.5                                |
| Iron (Fe)                                         | max.0.5ppm                               |
| Aluminium (Al)                                    | max.1.0ppm                               |
| Titanium (Ti)                                     | max.0.5ppm                               |
| Zirconium (Zr)                                    | max.0.5ppm                               |
| Sodium oxide (Na <sub>2</sub> O)                  | 4.7~5.8%                                 |
| Silicon dioxide (SiO <sub>2</sub> )               | 16.5~18.0%                               |
| Molar ratio (SiO <sub>2</sub> /Na <sub>2</sub> O) | 3.0~3.6                                  |
| Assay                                             | 21.2~23.8%                               |