

## SPECIFICATION

## D(-)-Sorbitol

Wako 1st Grade

| REQUIREMENT   | SPECIFICATION            |
|---|--------------------------|
| Appearance  | White crystalline powder |
| Solubility in water   | to pass test             |
| Specific rotation [ $\alpha$ ]D <sub>20</sub> (c=20,dil.NH <sub>4</sub> OH) | -0.8~-2.0°               |
| Loss on drying at 80°C over silica gel in vacuum                            | max.2.0%                 |
| Chloride (Cl)   | max.0.005%               |
| Sulfate (SO <sub>4</sub> )  | max.0.01%                |
| Heavy metals (as Pb)  | max.5ppm                 |
| Barium (Ba)   | to pass test             |
| Arsenic (As)  | max.1ppm                 |
| Iron (Fe)   | max.0.001%               |
| Nickel (Ni)   | max.0.001%               |
| Reducing sugars   | max.0.1%                 |
| Dextrin, starch and sulfite   | to pass test             |
| Assay (capillary GC)  | min.98.0%                |