

## SPECIFICATION

## Potassium Carbonate

## Guaranteed Reagent

| REQUIREMENT  | SPECIFICATION            |
|--|--------------------------|
| * Appearance   | White, granules ~ powder |
| Assay (K <sub>2</sub> CO <sub>3</sub> ) (after ignition) | min.99.5%(mass/mass)     |
| Solubility in water                                      | to pass test             |
| Loss on ignition (650°C)                                 | max.1.5%(mass/mass)      |
| Chloride (Cl)  | max.0.003%(mass/mass)    |
| Phosphate (PO <sub>4</sub> )                             | max.0.002%(mass/mass)    |
| Silicate (as SiO <sub>2</sub> )                          | max.0.005%(mass/mass)    |
| Sulfate (SO <sub>4</sub> )                               | max.0.003%(mass/mass)    |
| Nitrogen compounds (as N)                                | max.0.001%(mass/mass)    |
| Sodium (Na)  | max.0.05%(mass/mass)     |
| Copper (Cu)  | max.5ppm(mass/mass)      |
| Magnesium (Mg)   | max.5ppm(mass/mass)      |
| Calcium (Ca)   | max.0.001%(mass/mass)    |
| Zinc (Zn)  | max.2ppm(mass/mass)      |
| Lead (Pb)  | max.5ppm(mass/mass)      |
| Iron (Fe)  | max.5ppm(mass/mass)      |

JIS K 8615:2022(\*:Additional test performed by Wako but not required by JIS)