

## SPECIFICATION

Potassium Chloride  
for RoHS

| REQUIREMENT                                | SPECIFICATION                        |
|--|--------------------------------------|
| Appearance                                 | White, crystals ~ crystalline powder |
| Assay (KCl)                                | min.99.5%(mass/mass)                 |
| Solubility in water                        | to pass test                         |
| Loss on drying at 110°C                    | max.0.1%(mass/mass)                  |
| pH of a 50g/l solution at 25°C             | 5.0~8.0                              |
| Bromide                                    | to pass test                         |
| Iodide                                     | to pass test                         |
| Phosphate (PO4)                            | max.5ppm(mass/mass)                  |
| Sulfate (SO4)                              | max.0.002%(mass/mass)                |
| Nitrogen compounds (as N)                  | max.0.001%(mass/mass)                |
| Sodium (Na)                                | max.0.02%(mass/mass)                 |
| Copper (Cu)                                | max.2ppm(mass/mass)                  |
| Magnesium (Mg)                             | max.0.002%(mass/mass)                |
| Calcium (Ca)                               | max.0.002%(mass/mass)                |
| Barium (Ba)                                | max.0.001%(mass/mass)                |
| Lead (Pb)                                  | max.2ppm(mass/mass)                  |
| Iron (Fe)                                  | max.2ppm(mass/mass)                  |
| Cadmium (Cd) (RoHS)                        | max.10ppm                            |
| Mercury (Hg) (RoHS)                        | max.10ppm                            |
| Lead (Pb) (RoHS)                           | max.2ppm                             |
| Chromium (Cr) (RoHS)                       | max.10ppm                            |
| Brominated flame retardants (as Br) (RoHS) | max.1ppm                             |