

SPECIFICATION

Iron(II) Sulfate Heptahydrate

for RoHSII

| REQUIREMENT | SPECIFICATION |
|----------------------------------------------|--------------------------------------------------|
| Appearance | Pale bluish green, crystals ~ crystalline powder |
| Assay (FeSO ₄ ·7H ₂ O) | 99.0~102.0%(mass/mass) |
| Solubility in dil.sulfuric acid | to pass test |
| Chloride (Cl) | max.0.001%(mass/mass) |
| Phosphate (PO ₄) | max.0.001%(mass/mass) |
| Nitrogen compounds (as N) | max.0.001%(mass/mass) |
| Sodium (Na) | max.0.01%(mass/mass) |
| Potassium (K) | max.0.01%(mass/mass) |
| Copper (Cu) | max.0.002%(mass/mass) |
| Magnesium (Mg) | max.0.01%(mass/mass) |
| Calcium (Ca) | max.0.01%(mass/mass) |
| Zinc (Zn) | max.0.005%(mass/mass) |
| Lead (Pb) | max.0.002%(mass/mass) |
| Arsenic (As) | max.1ppm(mass/mass) |
| Manganese (Mn) | max.0.02%(mass/mass) |
| Iron(III) (Fe ³⁺) | max.0.05%(mass/mass) |
| Cadmium (Cd) (RoHS) | max.10ppm |
| Mercury (Hg) (RoHS) | max.10ppm |
| Lead (Pb) (RoHS) | max.20ppm |
| Chromium (Cr) (RoHS) | max.10ppm |
| Brominated flame retardants (as Br) (RoHS) | max.1ppm |
| Diisobutyl phthalate (DIBP) (RoHS) | max.1ppm |
| Dibutyl phthalate (DBP) (RoHS) | max.1ppm |
| Butyl benzyl phthalate (BBP) (RoHS) | max.1ppm |
| Bis(2-ethylhexyl) phthalate (DEHP) (RoHS) | max.1ppm |