

SPECIFICATION

Nickel(II) Chloride Hexahydrate

for RoHS

REQUIREMENT	SPECIFICATION
Appearance	Yellowish green ~ green, crystals ~ crystalline powder
Assay ($\text{NiCl}_2 \cdot 6\text{H}_2\text{O}$)	min.98.0%(mass/mass)
Solubility in dil.hydrochloric acid	to pass test
pH of a 50g/L solution at 25°C	4.5~6.0
Nitrate	to pass test
Sulfate (SO_4)	max.0.005%(mass/mass)
Sodium (Na)	max.0.01%(mass/mass)
Potassium (K)	max.0.005%(mass/mass)
Copper (Cu)	max.0.001%(mass/mass)
Magnesium (Mg)	max.0.005%(mass/mass)
Calcium (Ca)	max.0.005%(mass/mass)
Zinc (Zn)	max.0.001%(mass/mass)
Cadmium (Cd)	max.5ppm(mass/mass)
Lead (Pb)	max.0.001%(mass/mass)
Manganese (Mn)	max.0.002%(mass/mass)
Iron (Fe)	max.0.002%(mass/mass)
Cobalt (Co)	max.0.01%(mass/mass)
Cadmium (Cd) (RoHS)	max.5ppm
Mercury (Hg) (RoHS)	max.10ppm
Lead (Pb) (RoHS)	max.10ppm
Chromium (Cr) (RoHS)	max.10ppm
Brominated flame retardants (as Br) (RoHS)	max.1ppm