

SPECIFICATION

Calcium Nitrate Tetrahydrate

Guaranteed Reagent

REQUIREMENT	SPECIFICATION
* Appearance	White crystals
Assay[Ca(NO ₃) ₂ ·4H ₂ O]	min.98.5%(mass/mass)
Solubility in water	to pass test
Solubility in ethanol	to pass test
pH of a 50g/L solution at 25°C	4.0~6.0
Chloride (Cl)	max.5ppm(mass/mass)
Sulfate (SO ₄)	max.0.001%(mass/mass)
Sodium (Na)	max.0.01%(mass/mass)
Potassium (K)	max.0.005%(mass/mass)
Copper (Cu)	max.5ppm(mass/mass)
Magnesium (Mg)	max.0.01%(mass/mass)
Barium (Ba)	max.0.005%(mass/mass)
Lead (Pb)	max.5ppm(mass/mass)
Arsenic (As)	max.1ppm(mass/mass)
Iron (Fe)	max.1ppm(mass/mass)
Ammonium (NH ₄)	max.0.002%(mass/mass)

JIS K 8549:2017

(*:Additional test performed by Wako but not required by JIS)