

SPECIFICATION

Urea

Guaranteed Reagent

REQUIREMENT	SPECIFICATION
* Appearance	White, crystals ~ crystalline powder
Assay (NH ₂ CONH ₂)	min.99.0%(mass/mass)
Solubility in water	to pass test
Solubility in ethanol	to pass test
Melting point	132~136°C
Chloride (Cl)	max.0.001%(mass/mass)
Sulfate (SO ₄)	max.0.001%(mass/mass)
Copper (Cu)	max.2ppm(mass/mass)
Lead (Pb)	max.2ppm(mass/mass)
Iron (Fe)	max.5ppm(mass/mass)
Ammonium (NH ₄)	max.0.02%(mass/mass)
Substances reducing Fehling's solution	to pass test

JIS K 8731:2020(*:Additional test performed by Wako but not required by JIS)