

Code No.03-0527

## SPECIFICATION

## L-Cysteine Hydrochloride Monohydrate

Guaranteed Reagent

REQUIREMENT	SPECIFICATION
* Appearance	White, crystals ~ crystalline powder
Assay (C <sub>3</sub> H <sub>7</sub> NO <sub>2</sub> S·HCl) (calculated on the dried basis)	min.99.0%(mass/mass)
Solubility in water	to pass test
Specific rotation [ $\alpha$ ] <sub>D20</sub>	+5.0~+7.0°
Loss on drying	8.5~12.0%(mass/mass)
Residue after ignition (as sulfate)	max.0.05%(mass/mass)
Sulfate (SO <sub>4</sub> )	max.0.02%(mass/mass)
Heavy metals (as Pb)	max.0.001%(mass/mass)
Arsenic (As)	max.1ppm(mass/mass)
Iron (Fe)	max.0.001%(mass/mass)
Ammonium (NH <sub>4</sub> )	max.0.05%(mass/mass)
Foreign amino acids	to pass test

JIS K 8470:2016

\*:Additional test performed by Wako but not required by JIS