SPECIFICATION

L-Serine

Guaranteed Reagent

REQUIREMENT	SPECIFICATION
* Appearance	White, crystals \sim crystalline powder
Assay (C3H7NO3) (after drying)	min.99.0%(mass/mass)
Solubility in water	to pass test
Specific rotation [α]D20 (after drying)	+14.3~+15.5°
Loss on drying at 105℃	max.0.2%(mass/mass)
Residue after ignition (as sulfate)	max.0.05%(mass/mass)
Chloride (CI)	max.0.02%(mass/mass)
Sulfate (SO4)	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 (NH4)	max.0.02%(mass/mass)
Foreign amino acids	to pass test

JIS K 9105:2012 (*:Additional test performed by Wako but not required by JIS)

(1/1)revised on 2018/11/01