

SPECIFICATION

L-Glutamic Acid

Guaranteed Reagent

REQUIREMENT	SPECIFICATION
* Appearance Assay (C ₅ H ₉ NO ₄) Solubility in dil.hydrochloric acid Specific rotation [α] _{D20} Loss on drying at 105°C Residue after ignition (as sulfate) Chloride (Cl) Sulfate (SO ₄) Heavy metals (as Pb) Arsenic (As) Iron (Fe) Ammonium (NH ₄) Foreign amino acids	White crystalline powder min.99.0%(mass/mass) to pass test +31.5~+32.5° max.0.2%(mass/mass) max.0.05%(mass/mass) max.0.02%(mass/mass) max.0.01%(mass/mass) max.0.001%(mass/mass) max.1ppm(mass/mass) max.0.001%(mass/mass) max.0.02%(mass/mass) to pass test

JIS K 9047:2012

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