

SPECIFICATION

L(+)-Glutamine

Guaranteed Reagent

REQUIREMENT	SPECIFICATION
* Appearance Assay (C ₅ H ₁₀ N ₂ O ₃) Solubility in water pH of a 20g/L solution at 25°C Specific rotation [α] _{D20} Loss on drying at 105°C Residue after ignition (as sulfate) Chloride (Cl) Sulfate (SO ₄) Lead (Pb) Arsenic (As) Iron (Fe) Foreign amino acids	White, crystals ~ powder min.99.0%(mass/mass) to pass test 4.0~6.0 +6.3~+7.3° max.0.2%(mass/mass) max.0.05%(mass/mass) max.0.01%(mass/mass) max.0.02%(mass/mass) max.0.001%(mass/mass) max.1ppm(mass/mass) max.0.001%(mass/mass) to pass test

JIS K 9103 : 2020(*:Additional test performed by Wako but not required by JIS)