

SPECIFICATION

L(-)-Proline

Guaranteed Reagent

REQUIREMENT	SPECIFICATION
* Appearance Assay (C ₅ H ₉ NO ₂) Solubility in water pH of a 100g/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) Ammonium (NH ₄) Foreign amino acids	White, crystals ~ crystalline powder min.99.0%(mass/mass) to pass test 5.5~7.0 -84.0~-86.0° max.0.3%(mass/mass) max.0.05%(mass/mass) max.0.02%(mass/mass) max.0.02%(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 9107 : 2020(*:Additional test performed by Wako but not required by JIS)