

SPECIFICATION

L-Asparagine Monohydrate

Wako 1st Grade

REQUIREMENT	SPECIFICATION
Appearance	White, crystals ~ crystalline powder
Solubility in water	to pass test
Specific rotation [α]D20(c=1,dil.HCl)	+30.3~+32.3°
Loss on drying at 130°C	11.5~12.5%
Residue after ignition (as sulfate)	max.0.05%
Chloride (Cl)	max.0.01%
Sulfate (SO4)	max.0.02%
Heavy metals (as Pb)	max.0.001%
Arsenic (As)	max.1ppm
Iron (Fe)	max.0.001%
Ammonium (NH4)	max.0.05%
Thin layer chromatography test	to pass test
Assay	min.99.0%