

## SPECIFICATION

## L-Asparagine Monohydrate

## Guaranteed Reagent

REQUIREMENT	SPECIFICATION
* Appearance Assay (C <sub>4</sub> H <sub>8</sub> N <sub>2</sub> O <sub>3</sub> ·H <sub>2</sub> O) Solubility in water Specific rotation [ $\alpha$ ] <sub>D20</sub> Loss on drying at 130°C Residue after ignition (as sulfate) Chloride (Cl) Sulfate (SO <sub>4</sub> ) Heavy metals (as Pb) Arsenic (As) Iron (Fe) Ammonium (NH <sub>4</sub> ) Foreign amino acids	White, crystals ~ crystalline powder min.99.0%(mass/mass) to pass test +30.3~+32.3° 11.5~12.5%(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) max.0.02%(mass/mass) to pass test

JIS K 8021:2013(Amendment 1)(\*:Additional test performed by Wako but not required by JIS)