

## SPECIFICATION

## L(-)-Threonine

Wako Special Grade

REQUIREMENT	SPECIFICATION
Appearance	White, crystals ~ crystalline powder
Solubility in water	to pass test
Specific rotation [ $\alpha$ ]D20(c=6,H2O)	-27.5~-29.0°
Loss on drying at 105°C	max.0.2%
Residue after ignition (as sulfate)	max.0.05%
Chloride (Cl)	max.0.02%
Sulfate (SO4)	max.0.02%
Heavy metals (as Pb)	max.0.001%
Arsenic (As)	max.1ppm
Iron (Fe)	max.0.001%
Ammonium (NH4)	max.0.02%
Thin layer chromatography test	to pass test
Assay	min.99.0%