

## SPECIFICATION

## L(-)-Cystine

Wako Special Grade

REQUIREMENT	SPECIFICATION
Appearance	White, crystalline powder ~ powder
Assay	min.99.0%
Solubility in hydrochloric acid	to pass test
Specific rotation [ $\alpha$ ]D20	-219~-224°
Loss on drying at 105°C	max.0.2%
Residue after ignition (as sulfate)	max.0.05%
Chloride (Cl)	max.0.1%
Sulfate (SO <sub>4</sub> )	max.0.02%
Heavy metals (as Pb)	max.0.001%
Arsenic (As)	max.1ppm
Iron (Fe)	max.0.001%
Ammonium (NH <sub>4</sub> )	max.0.02%
Foreign amino acids	to pass test