

Code No.01-0480

SPECIFICATION

L(+)-Ascorbic Acid

Guaranteed Reagent

REQUIREMENT	SPECIFICATION
* Appearance	White, crystals ~ crystalline powder
Assay (C ₆ H ₈ O ₆)	min.99.6%(mass/mass)
Solubility in water	to pass test
Specific rotation [α] _{D20}	+20.5~+21.5°
Loss on drying at 105°C	max.0.1%(mass/mass)
Residue after ignition (as sulfate)	max.0.05%(mass/mass)
Chloride (Cl)	max.0.005%(mass/mass)
Sulfate (SO ₄)	max.0.002%(mass/mass)
Copper (Cu)	max.0.3ppm(mass/mass)
Zinc (Zn)	max.0.2ppm(mass/mass)
Lead (Pb)	max.5ppm(mass/mass)
Iron (Fe)	max.2ppm(mass/mass)
Nickel (Ni)	max.5ppm(mass/mass)

JIS K 9502:2020(*:Additional test performed by Wako but not required by JIS)