SPECIFICATION

L-Glutamic Acid

Guaranteed Reagent

	REQUIREMENT	SPECIFICATION
*	Appearance	White crystalline powder
	Assay (C5H9NO4)	min.99.0%(mass/mass)
	Solubility in dil.hydrochloric acid	to pass test
	Specific rotation [α]D20	+31.5~+32.5°
	Loss on drying at 105℃	max.0.2%(mass/mass)
	Residue after ignition (as sulfate)	max.0.05%(mass/mass)
	Chloride (CI)	max.0.02%(mass/mass)
	Sulfate (SO4)	max.0.01%(mass/mass)
	Heavy metals (as Pb)	max.0.001%(mass/mass)
	Arsenic (As)	max.1ppm(mass/mass)
	Iron (Fe)	max.0.001%(mass/mass)
	Ammonium (NH4)	max.0.02%(mass/mass)
	Foreign amino acids	to pass test

(1/1)revised on 2018/05/14

JIS K 9047:2012 *:Additional test performed by Wako but not required by JIS