## **SPECIFICATION**

## D(+)-Glucose

## Guaranteed Reagent

REQUIREMENT	SPECIFICATION
* Appearance	White, crystals $\sim$ crystalline powder
Assay (C6H12O6) (GC)	min.98.0%(area/area)
Solubility in water	to pass test
Specific rotation [α]D20	+52.5~+53.3°
Loss on drying at 105℃	max.0.2%(mass/mass)
Residue after ignition (as sulfate)	max.0.03%(mass/mass)
Acidity (as CH3COOH)	max.0.003%(mass/mass)
Chloride (CI)	max.0.004%(mass/mass)
Sulfate and sulfite (as SO4)	max.0.005%(mass/mass)
Calcium (Ca)	max.0.005%(mass/mass)
Lead (Pb)	max.5ppm(mass/mass)
Iron (Fe)	max.5ppm(mass/mass)
Arsenic (As)	max.1ppm(mass/mass)
D(-)-Fructose (C6H12O6)	max.2.0%(mass/mass)
Dextrin and starch	to pass test

JIS K 8824:2020(\*:Additional test performed by Wako but not required by JIS)

(1 / 1) revised on 2020/07/13