

## SPECIFICATION

D(+)-Glucose  
Guaranteed Reagent

REQUIREMENT	SPECIFICATION
* Appearance	White, crystals ~ crystalline powder
Assay ( $\alpha$ -type + $\beta$ -type) (GC)	min.98.0%
Solubility in water	to pass test
Specific rotation [ $\alpha$ ]D20	+52.6~+53.2°
Loss on drying at 105°C	max.0.2%
Residue after ignition (as sulfate)	max.0.03%
Acidity (as CH <sub>3</sub> COOH)	max.0.003%
Chloride (Cl)	max.0.004%
Sulfate and sulfite (as SO <sub>4</sub> )	max.0.005%
Lead (Pb)	max.5ppm
Calcium (Ca)	max.0.005%
Arsenic (As)	max.1ppm
Iron (Fe)	max.5ppm
Fructose	max.2.0%
Dextrin and starch	to pass test

JIS K 8824-1992\*:Additional test performed by Wako but not required by JIS