

## SPECIFICATION

## D(+)-Maltose Monohydrate

Wako Special Grade

REQUIREMENT	SPECIFICATION
Appearance	White powder
Solubility in water	to pass test
Specific rotation [ $\alpha$ ]D20(c=10,dil.NH4OH) (after drying)	+129~+131°
Water	4.0~5.8%
Residue after ignition (as sulfate)	max.0.05%
pH of a 50g/l solution at 25°C	4.5~6.5
Nitrogen compounds (as N)	max.0.005%
Copper (Cu)	max.2ppm
Zinc (Zn)	max.2ppm
Lead (Pb)	max.2ppm
Iron (Fe)	max.5ppm
Dextrin and starch	to pass test
Assay (HPLC)	min.98.0%