

SPECIFICATION

Sucrose

Japanese Pharmacopoeia

REQUIREMENT	SPECIFICATION
* Description (JP) Identification (JP) Optical rotation (JP) Purity (JP) (1) Color value (JP) (2) Clarity of solution (JP) (3) Sulfite (as SO ₂) (JP) (4) Reducing sugars (JP) Conductivity (JP) Loss on drying (JP) Dextrins (JP) Bacterial endotoxins (JP) Identification (USP-NF) Impurities (USP-NF) (1) Sulfite (USP-NF) Specific tests (USP-NF) (1) Appearance of solution (USP-NF) (2) Conductivity (USP-NF) (3) Optical rotation (USP-NF) (4) Color value (USP-NF) (5) Dextrins (USP-NF) (6) Reducing sugars (USP-NF) (7) Loss on drying (USP-NF) (8) Bacterial endotoxins test (USP-NF)	White crystalline powder, or lustrous colorless or white crystals to pass test +66.3~+67.0° - not more than 45 to pass test not more than 10ppm to pass test not more than 35 μS·cm ⁻¹ not more than 0.1% to pass test less than 2EU/g ** to pass test - to pass test - to pass test NMT 35 μS·cm ⁻¹ +66.3~+67.0° NMT 45 to pass test to pass test NMT 0.1% less than 2IU/g **
* Appearance (Ph.Eur.) Identification (Ph.Eur.) Appearance of solution (Ph.Eur.) Conductivity (Ph.Eur.) Specific optical rotation (Ph.Eur.)	White or almost white, crystalline powder, or lustrous, colourless or white or almost white crystals to pass test to pass test maximum 35 μS·cm ⁻¹ +66.3~+67.0°

Colour value (Ph.Eur.)	maximum 45
Dextrins (Ph.Eur.)	to pass test
Reducing sugars (Ph.Eur.)	to pass test
Sulfites(as SO ₂) (Ph.Eur.)	maximum 10ppm
Loss on drying (Ph.Eur.)	maximum 0.1%
Bacterial endotoxins (Ph.Eur.)	less than 2IU/g **

Japanese Pharmacopoeia(Sucrose)(*:Additional test performed by Wako)(**):The specification is originally set by Wako)United States Pharmacopeia - National Formulary(Sucrose)(**):The specification is originally set by Wako)European Pharmacopoeia(Sucrose)(*:Additional test performed by Wako)(**):The specification is originally set by Wako)