

Code No.19-1919

SPECIFICATION

Sucrose

Japanese Pharmacopoeia

REQUIREMENT	SPECIFICATION
* Description (JP)	White crystalline powder, or lustrous colorless or white crystals
Identification (JP)	to pass test
Optical rotation (JP)	+66.3~+67.0°
Purity (JP)	-
(1) Color value (JP)	not more than 45
(2) Clarity of solution (JP)	to pass test
(3) Sulfite (as SO2) (JP)	not more than 10ppm
(4) Reducing sugars (JP)	to pass test
Conductivity (JP)	not more than 35 μS·cm-1
Loss on drying (JP)	not more than 0.1%
Dextrins (JP)	to pass test
Bacterial endotoxins (JP)	less than 0.2EU/g **
Identification (USP-NF)	to pass test
Impurities (USP-NF)	-
(1) Sulfite (USP-NF)	to pass test
Specific tests (USP-NF)	-
(1) Appearance of solution (USP-NF)	to pass test
(2) Conductivity (USP-NF)	NMT 35 μS·cm-1
(3) Optical rotation (USP-NF)	+66.3~+67.0°
(4) Color value (USP-NF)	NMT 45
(5) Dextrins (USP-NF)	to pass test
(6) Reducing sugars (USP-NF)	to pass test
(7) Loss on drying (USP-NF)	NMT 0.1%
(8) Bacterial endotoxins test (USP-NF)	less than 0.2IU/g **
* Appearance (Ph.Eur.)	White or almost white, crystalline powder, or lustrous, colourless or white or almost white crystals
Identification (Ph.Eur.)	to pass test
Appearance of solution (Ph.Eur.)	to pass test
Conductivity (Ph.Eur.)	maximum 35 μS·cm-1
Specific optical rotation (Ph.Eur.)	+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 0.2IU/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)