2024/02/23
Distributed by FUJIFILM Wako Pure Chemical Corporation
Manufactured by FUJIFILM Wako Pure Chemical Corporation

Code No.13-1555

SPECIFICATION

Sodium L-Glutamate Hydrate

Japanese Pharmaceutical Codex

	REQUIREMENT	SPECIFICATION
*	Description (JPC)	White crystals or crystalline powder
	Identification (JPC)	to pass test
	Optical rotation [α]D20 (JPC)	+24.8～+25.3°
	pH (JPC)	6.7～7.2
	Purity (JPC)	-
(1)	Clarity and color of solution (JPC)	to pass test
(2)	Chloride (JPC)	not more than 0.041%
(3)	Sulfate (JPC)	not more than 0.028%
(4)	Ammonium (JPC)	not more than 0.02%
(5)	Heavy metals (JPC)	not more than 10ppm
(6)	Arsenic (JPC)	not more than 1ppm
(7)	Foreign amino acids (JPC)	to pass test
	Loss on drying (JPC)	not more than 0.5%
	Assay (after drying) (JPC)	not less than 99.0%
**	Bacterial endotoxins	less than 3.9EU/g
	Identification (USP-NF)	to pass test
	Assay (USP-NF)	99.0～100.5%
	Impurities (USP-NF)	-
(1)	Chloride (USP-NF)	NMT 0.25%
(2)	Lead (USP-NF)	NMT 10μg/g
	Specific tests (USP-NF)	-
(1)	Clarity and color of solution (USP-NF)	to pass test
(2)	Optical rotation (USP-NF)	+24.8～+25.3°
(3)	pH (USP-NF)	6.7～7.2
(4)	Loss on drying (USP-NF)	NMT 0.5%

Japanese Pharmaceutical Codex (Monosodium L-Glutamate Monohydrate)(*:Reference item)(**:Additional test performed by Wako)United States Pharmacopeia - National Formulary (Monosodium Glutamate)

revised on 2023/04/13