

SPECIFICATION

Disodium Hydrogenphosphate Dodecahydrate
for Medicine Test

REQUIREMENT	SPECIFICATION
* Appearance	White crystals
Assay (Na ₂ HPO ₄ · 12H ₂ O)	min.99.0%(mass/mass)
Solubility in water	to pass test
pH of a 50g/L solution at 25°C	9.0~9.4
Chloride (Cl)	max.0.001%(mass/mass)
Nitrate	to pass test
Sulfate (SO ₄)	max.0.005%(mass/mass)
Heavy metals (as Pb)	max.5ppm(mass/mass)
Potassium (K)	max.0.01%(mass/mass)
Arsenic (As)	max.1ppm(mass/mass)
Iron (Fe)	max.5ppm(mass/mass)
Ammonium (NH ₄)	max.0.001%(mass/mass)
Assay (USP-NF)	98.0%~102.0%
Appearance of solution (Ph.Eur.)	to pass test
Reducing substances (Ph.Eur.)	to pass test
Monosodium phosphate (Ph.Eur.)	max.2.5%
Chlorides (Ph.Eur.)	max.200ppm
Sulphates (Ph.Eur.)	max.500ppm
Arsenic (Ph.Eur.)	max.2ppm
Iron (Ph.Eur.)	max.20ppm
Heavy metals (Ph.Eur.)	max.10ppm
Water (Ph.Eur.)	57.0~61.0%
Assay (Ph.Eur.)	98.5~102.5%

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*:Additional test performed by Wako but not required by JIS