

## SPECIFICATION

Nitric Acid  
for Medicine Test

REQUIREMENT	SPECIFICATION
* Appearance	Colorless clear liquid
Assay (HNO <sub>3</sub> )	69~70%(mass/mass)
Residue after ignition (as sulfate)	max.3ppm(mass/mass)
Chloride (Cl)	max.0.3ppm(mass/mass)
Sulfate (SO <sub>4</sub> )	max.0.5ppm(mass/mass)
Copper (Cu)	max.0.1 ppm(mass/mass)
Lead (Pb)	max.0.1 ppm(mass/mass)
Arsenic (As)	max.0.01ppm(mass/mass)
Iron (Fe)	max.0.2ppm(mass/mass)
Appearance (USP-NF method)	Colorless and free from suspended matter or sediment
Assay (USP-NF method)	68.0~70.0%
Color (APHA) (USP-NF method)	max.10
Residue after ignition (USP-NF method)	max.5ppm
Chloride (Cl) (USP-NF method)	max.0.5ppm
Sulfate (SO <sub>4</sub> ) (USP-NF method)	max.1ppm
Arsenic (As) (USP-NF method)	max.0.01ppm
Heavy metals (as Pb) (USP-NF method)	max.0.2ppm
Iron (Fe) (USP-NF method)	max.0.2ppm
Appearance (EP method)	to pass test
Chlorides (EP method)	max.0.5ppm
Sulphates (EP method)	max.2ppm
Arsenic (EP method)	max.0.02ppm
Iron (EP method)	max.1ppm
Heavy metals (EP method)	max.2ppm
Sulphated ash (EP method)	max.0.001%
Assay (EP method)	63.0~70.0%

JIS K 8541-2006\*:Additional test performed by Wako but not required by JIS