

## Japanese Pharmacopoeia

# Dried Aluminum Hydroxide Gel JP

Dried Aluminum Hydroxide Gel is used for antacid and peptic ulcer treatment. It is also used for reducing adverse effect by the combination of drugs like antipyretic analgesics, anti-rheumatic drug which cause a stomach disorder. Also, because of its neutral pH, it hardly affects to interaction with main drug nor deactivation of main drug. Fine particle grade called Fine Mesh is used for raw material of suspension drug.

**【Grade】** S-100, SN, Fine Mesh

**【Specification】**

Item	Japanese Pharmacopoeia	Typical Analysis		
		S-100	SN	Fine Mesh
Description	JP	conforms	conforms	conforms
Identification	JP	conforms	conforms	conforms
Assay for Al <sub>2</sub> O <sub>3</sub> (%)	50.0 min.	53.5	55.5	55.9
Acidity or alkalinity	neutral	6.8	6.8	7.4
Chloride (%)	0.284 max.	passes test	passes test	passes test
Sulfate (%)	0.480 max.	passes test	passes test	passes test
Nitrate	no brown colored ring is produced	passes test	passes test	passes test
Heavy metals (ppm)	10 max.	passes test	passes test	passes test
Arsenic (ppm)	5 max.	passes test	passes test	passes test
Acid-consuming capacity (mL/g)	250 min.	314	320	329

**【Properties】**

Item	Grade	Typical Analysis		
		S-100	SN	Fine Mesh
Bulk Volume (mL/g)		3.67	2.66	6.77
Repose angle (°)		45	30	44
Particle size	800 μm on (%)	0	0	3.5 Mean Particle Size
	500 μm on (%)	0	0	
	75 μm pass (%)	79.4	2.3	