



## DRIED ALUMINIUM HYDROXIDE GEL –IP/BP/USP

### SPECIFICATION

Test	Results	Specifications		
		USP	IP	BP
<b>Description</b>	Complies	A white amorphous powder	A fine White odourless powder	A white amorphous powder
<b>Solubility</b>	Complies	-	Dissolves in dilute mineral acids and excess of caustic alkali solution	Dissolves in Dilute mineral acids and excess of caustic alkali solution
<b>Identification</b>	Complies	(A) A solution in dilution HCL gives the reaction of Aluminium Salt (B) IR absorption Spectrum complies with USP Dried Aluminium Hydroxide Gel	A solution in dilute HCL gives the reaction of Aluminium Salts	A Solution in dilute HCL gives the reaction of Aluminium Salts
<b>Alkalinity</b>	Complies	pH of 4% w/v aq. Suspension: 10.0 Max	pH of 4% w/v aq. Suspension:10.0Max	Not more than 0.3 ml of 0.1N HCL
<b>Arsenic</b>	Not detected	8 ppm Max	5 ppm Max	4 ppm Max
<b>Heavy Metals</b>	< 40 ppm	60 ppm Max	60 ppm Max	60 ppm Max
<b>Chloride</b>	< 0.5%	0.85% Max	1.25% Max	1.0% Max
<b>Sulphate</b>	Not detected	0.6% Max	1.2% Max	1.0% Max
<b>Neutralising Capacity</b>	< 25.0 ml of 0.1 N NaOH	Not Less than 25 mEq/g	35 ml Max of 0.1 N NaOH	35 ml Max of 0.1 N NaOH
<b>Microbial Contamination</b>	Complies	-	Free from E.Coli	a) Total viable aerobic count NMT $10^3$ micro organism per gram b) Enterobacteria and certain other gram negative bacteria
<b>Assay as Al<sub>2</sub>O<sub>3</sub></b>	49 to 52%	-	47 to 60%	47 to 60%
<b>Assay as Al(OH)<sub>3</sub></b>	80 to 85%	76.5% Min	-	-
<b>Bulk Density</b>		-	-	-
• Untapped	0.3 g/cc			
• Tapped	0.35 to 0.40 g/cc			
<b>Particle Size</b>	95% passes through 200 Mesh BSS	-	-	-