

SPECIFICATION SHEET-FINISHED PRODUCT

Material Name: Dried Aluminium Hydroxide Gel IP

CAS No. 21645-51-2			
Mol. Formula		Al(OH) ₃	Mol. Weight 78.00 gm/mol
Sr. No.	Test	Specification	
1	Description*	A white, light, amorphous, odourless & tasteless powder.	
2	Solubility	Practically insoluble in water. It dissolves in dilute mineral acids & in solution of alkali hydroxides.	
3	Identification (2.3.1)	It gives reaction of Aluminium salts.	
4	pH (4 % W/V suspension) *	Not more than 10	
5	Arsenic	Not more than 5 ppm	
6	Heavy metals	Not more than 60 ppm	
7	Chloride	Not more than 1.25 %	
8	Sulfate	Not more than 1.2 %	
9	Neutralizing Capacity 0.1 M NaOH	After 10 Min. – pH NLT 1.8 After 15 Min. – pH NLT 2.3 After 20 Min. – pH NLT 3.0 NMT 35 ml of 0.1 M NaOH is required	
10	Assay*	Between 47.0 % to 60.0 % of Al ₂ O ₃	
11	Microbial contamination E-coli	Absent per gram	

* Re-testing parameter.