

SPECIFICATION SHEET-FINISHED PRODUCT

Material Name: Almagate BP

CAS No. 66827-12-1				
Mol. Formula		Al ₂ Mg ₆ C ₂ O ₂₀ H ₁₄ .4H ₂ O	Mol. Weight	630 gm/mol
Sr. No.	Test	Specification		
1	Description*	A white or almost white fine crystalline powder.		
2	Solubility	Practically insoluble in water, in ethanol (96 %) and in methylene chloride. It dissolves with effervescence and heating in dilute mineral acids.		
3	Identification	A. By IR Spectrophotometer B. It gives reaction of Aluminium C. It gives reaction of Magnesium		
4	pH (4 % W/V solution) *	Between 9.1 to 9.7		
5	Neutralizing Capacity	Not more than 20 ml of 0.1 M Sodium Hydroxide is required.		
6	Chloride	Not more than 0.1 %		
7	Sulphate	Not more than 0.4 %		
8	Sodium	Not more than 150 ppm		
9	Heavy Metals	Not more than 20 ppm		
10	Loss on ignition	Between 43.0 % to 49.0 %		
11	Assay as Aluminium*	Between 15.0 % to 17.0 % as Al ₂ O ₃		
12	Assay as Magnesium*	Between 36.0 % to 40.0 % as MgO		
13	Assay as Carbonic acid * (By GC)	Between 12.5 % to 14.5 % as CO ₂		
14	Microbial Contamination TAMC TYMC E-coli Pseudomonas aeruginosa	Not more than 1000 cfu/gm Not more than 100 cfu/gm Absent per gm Absent per gm		

* Re-testing parameter.