

SPECIFICATION SHEET-FINISHED PRODUCT

Material Name: Aluminium Magnesium Silicate IP

CAS No. 12511-31-8			
Mol. Formula	$Al_2MgO_8Si_2$	Mol. Weight	262.47 gm/mol
Sr. No.	Test	Specification	
1	Description*	Almost White powder, granules or plates.	
2	Solubility	Practically insoluble in water & in organic solvents. It swells in water to produce a colloidal dispersion.	
3	Identification	(A) The residue gives the reaction of silicates. (B) It gives the reaction of aluminium. (C) It gives the reaction of magnesium.	
4	pH (5 % W/V dispersion)	Between 9.0 to 10.0	
5	Arsenic	Not more than 3 ppm	
6	Lead by AAS	Not more than 15 ppm	
7	Loss on drying	Not more than 8.0 %	
8	Assay as Aluminium (AAS)*	Between 95.0 % to 105.0 %	
9	Assay as Magnesium (AAS) *	Between 95.0 % to 105.0 %	
10	Microbial contamination : Total Aerobic Viable Count E-coli	Not more than 1000 cfu/gm Absent/gm	

*Re-testing parameter.