

SPECIFICATION SHEET-FINISHED PRODUCT

Material Name: Magaldrate BP

CAS No. 1317-26-6			
Mol. Formula		$Al_5Mg_{10}(OH)_{31}(SO_4)_2 \cdot xH_2O$	Mol. Weight 1097 gm/mol
Sr. No.	Test	Specification	
1	Description*	White or almost white crystalline powder	
2	Solubility	Practically insoluble in water & in ethanol (96 %).It dissolves in dilute mineral acids.	
3	Identification	A) It gives reaction of magnesium B) It gives reaction of aluminium C) It gives reaction of sulfates	
4	Soluble chloride	Not more than 3.5 %	
5	Soluble sulfate	Not more than 1.9 %	
6	Sulfates (Dried substance) *	Between 16.0 % to 21.0 %	
7	$Al(OH)_3$ (Dried substance) *	Between 32.1 % to 45.9 %	
8	$Mg(OH)_2$ (Dried substance) *	Between 49.2 % to 66.6 %	
9	Sodium (By AAS)	Not more than 0.10 %	
10	Heavy metals	Not more than 30 ppm	
11	Loss on drying *	Between 10.0 % to 20.0 %	
12	Assay (Dried basis) *	Between 90.0 % to 105.0 %	

* Re-testing parameter.