

### SPECIFICATION SHEET-FINISHED PRODUCT

**Material Name:** Magaldrate USP

CAS No. 1317-26-6			
Mol. Formula	$Al_5Mg_{10}(OH)_{31}(SO_4)_2 \cdot xH_2O$	Mol. Weight	1097.38 gm/mol
Sr. No.	Test	Specification	
1	Description*	White or almost white crystalline powder	
2	Solubility	Practically insoluble in water & in ethanol (95 %).It dissolves in dilute mineral acids.	
3	Identification	A) It gives the reaction of Magnesium B) It gives the reaction of Aluminium C) By X-ray diffraction confirms to that reference standard (at 2.57 angstrom unit)	
4	Loss on drying	Between 10.0 % to 20.0 %	
5	Soluble chloride	Not more than 3.5 %	
6	Soluble sulfate	Not more than 1.9 %	
7	Sodium	Not more than 0.11 %	
8	Arsenic	Not more than 8 ppm	
9	Heavy metals	Not more than 0.006 %	
10	Mg(OH) <sub>2</sub> content (on dried basis)	Between 49.2 % to 66.6 %	
11	Al(OH) <sub>3</sub> content (On dried basis)	Between 32.1 % to 45.9 %	
12	Sulfate content (On dried basis)	Between 16.0 % to 21.0 %	
13	Assay (On dried basis)	Between 90.0 % to 105.0 %	
14	Microbial Limit : E-coli TAMC TYMC	Absent per gm NMT 250 Cfu per gm NMT 50 Cfu per gm	

\* Re-testing parameter.