

SPECIFICATION SHEET-FINISHED PRODUCT

Material Name: Magnesium Hydroxide USP

CAS No. 1309-42-8			
Mol. Formula		Mg(OH) ₂	Mol. Weight 58.32 gm/mol
Sr. No.	Test	Specification	
1	Description*	White or almost white, amorphous powder.	
2	Solubility	Practically insoluble in water. It dissolves in dilute mineral acids & in solution of alkali hydroxides.	
3	Identification	It gives test for Magnesium	
4	Loss on drying*	Not more than 2.0 %	
5	Loss on ignition	Between 30.0 % to 33.0 %	
6	Soluble salts	Not more than 10 mg	
7	Carbonate	Not more than slight effervescence is observed	
8	Limit of calcium	Not more than 1.5 %	
9	Heavy metals	Not more than 20 µg per gm	
10	Limit of Lead	Not more than 0.00015 %	
11	Assay as Mg(OH) ₂ (on Dried basis) *	Between 95.0 % to 100.5 % of Mg(OH) ₂	
12	Microbial enumeration test E-coli TAMC TYMC	Absent per gram 250 cfu per gram 50 cfu per gram	

* Re-testing parameter.