



SPECIFICATIONS
GRADE: USP

PRODUCTS NAME		:	MAGNESIUM HYDROXIDE USP
CAS NO.		:	1309-42-8
Sr. No.	TEST PARAMETER	SPECIFICATION	
1.	Description	Bulky, white powder.	
2.	Solubility	Soluble in dilute acids; practically insoluble in water and in alcohol.	
3.	Identification test A Chemical identification tests for magnesium	To Pass Test	
	Identification test B The retention time of the magnesium peak of the Sample solution Corresponds to that of the standard solution, as obtained in the assay	To Pass Test	
4.	Assay Dried Basis %	NLT 95.0 % and NMT 100.5 %	
5.	SOLUBLE SALTS Acceptance criteria 1 Acceptance criteria 2	NMT 2.0 mL of the acid is consumed. NMT 10 mg (2.0%) of residue remains.	
6.	Carbonate	A slight effervescence is observed.	
7.	Limit of Calcium	NMT 1.5 %	
8.	Limit of Lead	NMT 0.00015 %	
9.	Escherichia coli.	Absence	
10.	Loss on Drying	NMT 2.0 %	
11.	Loss on Ignition	Between 30.0 % – 33.0 %	