



PHARMA DEVILS

QUALITY CONTROL DEPARTMENT

ANALYTICAL SPECIFICATION FOR MAGNESIUM TRISILICATE IP

Manufacturer Name :		Supplier Name :	
Manufacturer's Batch No. :		Manufacturer's Batch Size :	
Manufacturing Date :		Expiry Date :	
Quantity Received :		Test Quantity :	
Document No. :	Effective Date :	Change Control No. : N/A	
Control No./ A.R. No. :		Retest Date :	

Reference : IP 1996 Page No 452-453

Description : Fine, white or nearly white powder, free from grittiness, odourless, slightly hygroscopic; free from foreign particles.
Complies/Does Not Comply

Solubility : Practically insoluble in water and in ethanol(95%) (1 in More than 10000).
Complies/Does Not Comply

S.No.	Test	Reference	Result	Specification	Remark
1.	Identification A. Test for magnesium salts B. Test for silicates	IP		A. The white precipitate dissolves in 2M ammonium chloride and a white, crystalline precipitate is formed on addition of 0.25M disodium hydrogen phosphate. B. Within a short time a white ring is formed around the drop of water.	
2.	Alkalinity	IP		Not more than 1.0 ml of 0.1M hydrochloric acid is required to change the colour of the solution.	
3.	Arsenic	IP		Not More Than 4 ppm	
4.	Heavy Metals	IP		Not More Than 40 ppm	
5.	Chloride	IP		Not More Than 500 ppm	
6.	Sulphate	IP		Not More Than 0.5%	



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7	Acid absorption	IP		Not Less Than 100 ml of 0.1M Hydrochloric acid per g is absorbed.	
8	Water-soluble salts	IP		The residue weighs not more than 30mg.	
9	Loss on ignition	IP		Between 17.0 and 34.0%	
10	Assay As MgO (dried substance)	IP		Not Less Than 29.0%	
11	Assay as SiO ₂ (dried substance)	IP		Not Less Than 65.0%	

Raw Data Reference :

Analyst Name :

Analyst Name :

Analyst Name :

Analyst Hard Book No. : Page No. :

Analyst Hard Book No. : Page No. :

Analyst Hard Book No. : Page No. :

Results: Sample Conforms / Does Not Conform to Specification

Analyzed By : _____ Date : _____

Checked By : _____ Date : _____

Approved By : _____ Date : _____