



Certificate of Analysis
(The drug & Cosmetic act 1940 and rules there under)

Product Name: MAGNESIUM TRISILICATE USP

Reference	USP Standards	Product Code	KCPLMTS
Report No.	KCPL/COA/425/24-25	Report Date	21/04/2024
Batch NO.	1910	Batch QTY	1000KG
Mfg. Date	20/04/2024	Expiry Date	19/04/2029
Date of Release	21/04/2024	Mfg. Lic. No.	G/25/1876

Sr. No.	Test	Specifications	Result
1	Appearance	Fine, White, odorless, tasteless powder, free from grittiness.	Complies
2	Solubility	Insoluble in water and ethanol. It is readily decomposed by mineral acids.	Complies
3	Identification	Positive by Test A and FTIR	Complies
4	Water Determination	Loss between 17.00% to 34.00%	29.30%
5	Soluble salts	Not more than 1.5%	Complies
6	Chloride	NMT 0.055%	Complies
7	Sulfate	Not more than 0.5%	Complies
8	Free Alkali	Not more than 1.0 ml of 0.1M HCL is required	Complies
9	Acid Consuming Capacity	Not less than 140 ml & Not more than 160 ml	Complies
10	Assay	MgO-Not less than 20.00% On Water bases	30.28%
		SiO ₂ -Not less than 45.00% On Water bases	65.11%
11	Ratio of SiO ₂ To MgO	2.10 to 2.37	2.23
Additional test			
12	Bulk Density	0.40 – 0.60 g/ml	0.409 g/ml
13	Tapped Density	0.50 – 0.70 g/ml	0.511 g/ml

Report: In the opinion of the undersigned authorities the material complies with USP Specification

Particulars	Name	Designation	Signature
Tested By:	Mr. Sanket	QC Chemist	
Approved By:	Mr. Jayesh Shah	QC Head	

Storage: To be stored away from sunlight and humid areas.