


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

Product Name: HEAVY MAGNESIUM OXIDE USP

Reference	USP Standards	Product Code	KCPLHMO
Report No.	KCPL/COA/58/24-25	Report Date	11/05/2024
Batch NO.	183	Batch QTY	1000 Kgs.
Mfg. Date	10/05/2024	Expiry Date	09/05/2029
Date of Release	11/05/2024	Mfg. Lic. No.	G/25/1876

Sr. No.	Test	Specifications	Result
1	Appearance	Very, bulky, white powder or relatively dense, white powder or granulated powder.	Complies
2	Solubility	Practically insoluble in water, soluble in dilute acids, insoluble in alcohol.	Complies
3	Identification	Must meet	Complies
4	Loss on ignition	NMT 10%	6.43%
5	a)Free alkali b)soluble salt	a) NMT 2ml acid consumed, b) NMT 2%	Complies
6	Acid insoluble Substances	NMT 0.1 %	Complies
7	Limit of Calcium	NMT 1.1%	Complies
8	Heavy Metals	NMT 20ppm	Complies
9	Iron	NMT 0.05%	Complies
10	Assay	Not less than 98.0% and not more than 100.5% on ignited basis.	99.16%
ADDITIONAL TESTS			
11	Tapped Density	0.60-1.10 g/cc	1.07 g/cc
12	Particle size	Min 95% pass through 325 mesh (<45 Micron)	Complies

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.