

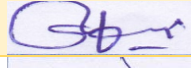

**Certificate of Analysis**  
(The drug & Cosmetic act 1940 and rules there under)

**Product Name: MAGALDRATE USP**

<b>Reference</b>	<b>USP Standards</b>	<b>Product Code</b>	<b>KCPLMAG</b>
<b>Report No.</b>	<b>KCPL/COA/141/24-25</b>	<b>Report Date</b>	<b>25/06/2024</b>
<b>Batch NO.</b>	<b>766</b>	<b>Batch QTY</b>	<b>1000 kgs.</b>
<b>Mfg. Date</b>	<b>20/06/2024</b>	<b>Expiry Date</b>	<b>19/06/2029</b>
<b>Date of Release</b>	<b>25/06/2024</b>	<b>Mfg. Lic. No.</b>	<b>G/25/1876</b>

Sr. No.	Test	Specifications	Result
1	Description	A White or almost white, crystalline powder Odourless.	<b>Complies</b>
2	Solubility	Practically insoluble in water and in ethanol 96 % it dissolve in dilute mineral acids.	<b>Complies</b>
3	Identification	a) Solution in dilute mineral acid gives characteristic reactions of Magnesium. b) Solution in 3N HCL of precipitate obtained test A gives reaction of Aluminium. c) Its X-Ray Difiraction pattern in the d-spacings region below0.257nm conforms to that of USP magaldrate reference sample.	<b>Complies</b> <b>Complies</b> <b>Complies</b>
4	Microbial Contamination	E.Coli Must be Absent	<b>Complies</b>
5	Loss on drying	Not less than 10.0% and not more than 20.0% at200C° 4hrs.	<b>15.33%</b>
6	Soluble chloride	Not more than 3.5%	<b>Complies</b>
7	Soluble Sulfate	Not more than 1.90%	<b>Complies</b>
8	Sodium	Not more than 0.11%	<b>Complies</b>
9	Arsenic	Not More than 8ppm	<b>Complies</b>
10	Assay as magaldrate	90% to105% on dried basis	<b>99.50%</b>
11	Aluminium hydroxide	32.1% to45.9% on dried basis	<b>34.04%</b>
12	Magnesium Hydroxide	49.2% to 66.6% on dried basis	<b>57.25%</b>
13	Sulphate content	16.0%to 21.0% on dried basis	<b>17.60%</b>
14	Heavy Metals	Not more than 60 ppm	<b>Complies</b>
15	Tapped Density	0.44gm/ml to 0.64gm/ml	<b>0.461 gm/ml</b>

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

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

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