




ANALYTICAL REPORT

Product name	Magnesium Gluconate USP	Date of issue	26/09/2022
Batch Size	225.00 Kg	Batch No.	Mg/GL/020922
Date of Manufacture	September 2022	Date of Expiration	August 2027
Sr. No.	USP Monograph Analysis	Specification	Observation
1.	Description	Colourless crystals or white powder or granules, odourless and tasteless.	white powder, odourless and tasteless.
2.	Solubility	Freely soluble in water; very slightly soluble in alcohol; insoluble in ether.	Freely soluble in water; very slightly soluble in alcohol; insoluble in ether.
3.	Identification	A (ref.191)	As per USP
		B (ref.621)	As per USP
4.	Water determination (ref.921)	3.0% to 12.0%	5.58 %
5.	Assay (on anhydrous basis)	98.0 % - 102.0%	99.74 %
6.	Heavy metals (ref.231)	NMT 20 ppm	< 20 ppm
7.	Chloride (ref.221)	NMT 0.05%	< 0.05 %
8.	Sulfate (ref.221)	NMT 0.05%	< 0.05 %
9.	pH (5% w/v solution) (ref. 791)	6.0 to 7.8	7.38
10.	Reducing substances	NMT 1.0%	0.29 %
Remark: Complies with the USP standard.			
Storage Condition: Preserve in well-closed containers.			

Prepared by	Checked by	Approved by
Chemist - Quality Control	H.O.D – Quality Control	H.O.D.- Quality Assurance
Sign: 	Sign: 	Sign: 
Date: 26/09/22	Date: 26/09/22	Date: 26/09/22