

FINISHED PRODUCT: CERTIFICATE OF ANALYSIS

DEPARTMENT : QUALITY CONTROL

Ref .SOP No | QC/017, Rev – 00




Format No. : QC/017/F/02-00

Name of product : MAGNESIUM CHLORIDE HEXAHYDRATE IP			
Chemical Formula : MgCl ₂ .6H ₂ O		Molecular Weight : 203.3 gm/mol.	
HSN Code : 28273100		CAS No : 7791-18-6	
Batch Number : 031001C23		Date of sampling : 27/03/2023	
Date of Manufacture : March.-2023		Sample Quantity : 100.00 Gms.	
Retest Date : 3 Years after Mfg. date		Date of Analysis : 27/03/2023	
Date of Release : 28/03/2023		Mfg. Lic. No. : G/25/2513	

Sr. No.	Test	Observation	Specification
1.	Appearance	Colorless crystals, hygroscopic.	Colourless crystals, hygroscopic.
2.	Identification A It gives reaction (a) of chlorides Identification B It gives the reaction of magnesium	Pass Test Pass Test	To Pass test To Pass test
3.	Appearance of solution	Solution A is clear and colourless	Solution A is clear and colourless
4.	Acidity or alkalinity	Pass Test	Not more than 0.3 mL of 0.01 M hydrochloric acid or 0.01 M sodium hydroxide is required
5.	Arsenic	Pass Test	Max. 2 ppm
6.	Heavy Metals	Pass Test	Max. 20 ppm
7.	Iron	5 ppm	Max. 10 ppm
8.	Calcium	Pass Test	Max. 0.1 %
9.	Sulfate (SO ₄)	Pass Test	Max. 100 ppm
10.	Assay	98.24 %	98.0 % - 101.0 %

Storage Condition : Preserve in tight containers.

Remarks: The above product complies with above specification.

	Prepared By/Analyzed by	Approved by
Signature		 
Date	27/03/2023	28/03/2023