

CERTIFICATE OF ANALYSIS

PRODUCT NAME : MAGNESIUM NITRATE (HEXAHYDRATE) AR

CAS No	: 13446-18-9	Product code	: 23890
Mol. Formula	: Mg(NO ₃) ₂ .6H ₂ O	Batch No	: MCAR-00395-01
Mol. WT	: 256.41	Mfd.	: Jan. 2025
Date of analysis	: 25/01/25	Exp.	: Dec. 2029

S.R	Test	Specification	Observation
1	Description	Colourless or white deliquescent crystals or crystalline powder.	White crystalline powder.
2	Assay	99% min.	99.41%
3	pH (5% water)	5 - 7	6.84
4	Water insoluble matter	0.003% max.	0.002%
5	Chloride (Cl)	0.001% max.	<0.001%
6	Phosphate (PO₄)	0.0005% max.	<0.0005%
7	Sulphate (SO₄)	0.002% max.	<0.002%
8	Lead (Pb)	0.0005% max.	<0.0005%
9	Ammonium (NH₄)	0.002% max.	<0.002%
10	Barium (Ba)	0.001% max.	<0.001%
11	Calcium (Ca)	0.005% max.	<0.005%
12	Iron (Fe)	0.0005% max.	<0.0005%
13	Potassium (K)	0.0005% max.	<0.0005%
14	Manganese (Mn)	0.0005% max.	<0.0005%
15	Sodium (Na)	0.0005% max.	<0.0005%

REMARK: THE PRODUCT COMPLIES WITH THE ABOVE SPECIFICATIONS

[Tested By]



**CHEMIST
(Deepa)**



[QC Incharge]



**HEAD-QUALITY ASSURANCE
(G.G.Salian)**

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