

# ASES CHEMICAL WORKS

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## CERTIFICATE OF ANALYSIS

1. Name of the Product	Magnesium Chloride
2. Alternate Name	Magnesium Dichloride
3. CAS Number	7791-18-6
4. Formula	MgCl <sub>2</sub>
5. Mol. Weight	203.3
6. Batch No & Mfg. Date	As mentioned on Label
7. Date Of Exp	3 Years From MFG Date
8. Date of Analysis	July-2024

S.No.	Test	Specification/Limit	Observations	Reference
1	Description	Colourless crystal. Hygroscopic	Complies	IP 2018
2	Solubility	Very soluble in water. Freely Soluble in Ethanol.	Complies	IP 2018
3	Identification	A. Gives Charac. Test of Chlorides B. Gives Charac. Test of Mg salts	Complies	IP 2018
4	Acidity/ Alkality	Not more than 0.30 ml of either 0.01M HCl or 0.01M NaOH is reqd. to change the color of salt	Complies	IP 2018
5	Arsenic	4.00 ppm Max.	Complies	IP 2018
6	Heavy Metals	Not more than 20 ppm	Complies	IP 2018
7	Iron	Less than 20 ppm	Complies	IP 2018
8	Calcium & Magnesium	200 ppm Max.	Complies	IP 2018
9	Ammonium	0.0022 % Max.	Complies	IP 2018
10	Lead	0.0023 % Max.	Complies	IP 2018
11	Iodide & Bromide	The Chloroform layer remains colourless	Complies	IP 2018
12	Sulphated Ash	0.1 % Max.	Complies	IP 2018
13	PH Value	6.8 to 7.0	6.91	IP 2018
14	Assay	Not less than 98%w/w & not more than 101.0% w/w	Complies	IP 2018