

CERTIFICATE OF ANALYSIS
QUALITY CONTROL LABORATORY

of SDFCL Mfg. Unit No. 1

E27/ E28, MIDC, Tarapur Industrial Area, B-Road, Boisar-401506, Maharashtra

LAB. ID	: RM/2122/0096	CERTIFICATE NO.	: 100521/09
NAME OF PRODUCT	: MAGNESIUM CHLORIDE AR : Meets Analytical Specification of IP/BP/USP/Ph. Eur		
BATCH NO	: K21A/0921/1005/31	DATE OF ANALYSIS	: 10.11.2021
PRODUCT CODE	: 20149	SPECIFICATION REF.	: 20149SP02
MFG. DATE	: NOVEMBER-2021	RETEST DATE	: OCTOBER-2026

CASR NO : (7791-18-6)
MgCl₂·6H₂O
M.W. : 203.30

TEST	SPECIFICATIONS	RESULTS	TEST METHOD REF.
Description	A colourless deliquescent crystals / crystalline	Complies	IP-2014
Solubility	10% solution in water is clear and colourless.	Complies	IP-2014
Identification	Passes test.	Complies	IP-2014
Minimum Assay (Complexometric)	99.0%	99.34%	IP-2014
pH (5% aq. soln.)	4.5 – 7.0	5.44	ACS 10 th Edition
Water	51 – 55%	54.01%	IP-2014
MAXIMUM LIMIT OF IMPURITIES			
Water insoluble matter	0.003%	Complies[<0.003%]	Analar 8 th Edition
Acidity (HCl)	0.001%	Complies[<0.001%]	IP-2014
Alkalinity (MgO)	0.0005%	Complies[<0.0005%]	IP-2014
Sulphate (SO ₄)	0.002%	Complies[<0.002%]	Analar
Aluminium (Al)	0.0001%	Complies[<0.0001%]	Analar
Arsenic (As)	0.0001%	Complies[<0.0001%]	BP
Barium (Ba)	0.005%	Complies[<0.005%]	Analar
Bromide (Br)	0.05%	Complies[<0.05%]	BP-2017
Calcium (Ca)	0.01%	Complies[<0.01%]	BP
Copper (Cu)	0.0002%	Complies[<0.0002%]	Analar
Iron (Fe)	0.0002%	Complies[<0.0002%]	Analar
Heavy metals (as Pb)	0.0002%	Complies[<0.0002%]	ACS
Potassium (K)	0.005%	Complies[<0.005%]	Analar
Organic volatile impurities	Meets the requirement.	Complies	USP-40
Zinc (Zn)	0.001%	Complies[<0.001%]	Analar

THE ABOVE BATCH MATERIAL COMPLIES WITH THE PRESCRIBED QUALITY OF THE STANDARD AS STATED ABOVE.

Measured values given in this Certificate of Analysis are the results determined at the time of Analysis. The above data do not relieve the user from analysing the product upon receipt. Any legally binding assurance regarding the suitability of the product for any particular purpose or use can not be derived thereof.

The results relate only to the sample tested.

This certificate shall not be reproduced except in full, without written consent of the Lab. management.

This product is manufactured at our manufacturing unit no. 1 (Boisar).

For S D FINE-CHEM LIMITED

Sampling SOP No. : SDFCL-TAR-SWP-GEN-007
Sampling Plan : A (Sq. root of N+1)
Spl. Ref. (if any) :-

(Authorised Signatory)

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(This is a computer printed report, valid without signature)