



CERTIFICATE OF ANALYSIS

Product Name : CALCIUM CHLORIDE DIHYDRATE 99% AR
(Confirms to USP)

Lot No. : A35119Z2110 Analyzed On : 01-Oct-2021

Mol. Formula : CaCl₂.2H₂O Mol. Weight : 147.02

Code No. : 02466 CAS No. : 10035-04-8

Mfg. Date : Oct-2021 Exp. Date : Sep-2026

HAZ. / P.G. : - UN No. : -

Sr.	Tests	Specifications	Results
1	Appearance	White hygroscopic crystalline powder	White hygroscopic crystalline powder
2	Assay (complexometric)	99.0-105.0%	99.9%
3	Solubility	Freely soluble in water, in alcohol, and in boiling alcohol; very soluble in boiling water	Passes test
4	Identification	To comply USP tests	Passes test
5	pH (5% solution in water; 25°C)	4.5 - 8.5	5.67
6	Insoluble matter (10% in water)	Max 0.01%	<0.01%
7	Sulphate (SO ₄)	Max 0.01%	0.009%
8	Ammonium (NH ₄)	Max 0.005%	0.0048%
9	Heavy metal (as Pb)	Max 0.0005%	0.00004 %
10	Iron, aluminium & phosphate	To comply USP test	Passes test
11	Barium (Ba)	Max 0.005%	0.005%
12	Iron (Fe)	Max 0.001%	0.00015%
13	Potassium (K)	Max 0.01%	0.0005%
14	Magnesium (Mg)	Max 0.01%	0.0022%
15	Magnesium & alkali salts	Max 0.5%	0.5%
16	Sodium (Na)	Max 0.02%	0.0045%
17	Strontium (Sr)	Max 0.1%	0.018%
18	Oxidizing substances (as NO ₃)	Max 0.003%	0.003%

CONCLUSION -This above product complies as per the specifications of **LOBA CHEMIE PVT. LTD.**

Shashikant Gaikwad
QC Manager

LOBA CHEMIE PVT. LTD.

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LOBA/QC/FM/01

04/10.03.2021