



## CERTIFICATE OF ANALYSIS

Product Name : AMMONIUM CHLORIDE 99% Extra Pure  
Lot No. : L368392106 Analyzed On : 11-Jun-2021  
Mol. Formula : NH<sub>4</sub>Cl Mol. Weight : 53.49  
Code No. : 01138 CAS No. : 12125-02-9  
Mfg. Date : Jun-2021 Exp. Date : May-2026  
HAZ. / P.G. : - UN No. : -

Sr.	Tests	Specifications	Results
1	Appearance	White crystalline powder	white crystalline powder
2	Assay (argentometric)	Min 99%	100.27%
3	Sulphate (SO <sub>4</sub> )	Max 0.015%	0.002%
4	Heavy metal (as Pb)	Max 0.001%	0.00048%
5	Arsenic (As)	Max 0.0003%	<0.0003%
6	Lead (Pb)	Max 0.001%	0.00048%
7	Calcium (Ca)	Max 0.02%	0.0039%
8	Iron (Fe)	Max 0.002%	0.0002
9	Copper (Cu)	Max 0.0025%	0.000011%
10	Zinc (Zn)	Max 0.0025%	0.0011%
11	Residue on ignition (at 800°C)	Max 0.1%	0.062%
12	Iodide, Bromide (I, Br)	Passes test	Passes test
13	pH (5% solution)	4.5-5.5	4.98
14	Identity	Passes test	Passes test
15	Clarity of solution	Passes test	Passes test
16	Acidity or alkalinity	Passes test	Passes test
17	Loss on drying (at 105°C)	Max 0.5%	0.16%
18	Thiocyanate (SCN)	Passes test	Passes test

**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