

CERTIFICATE OF ANALYSIS

Product Name	: GLYCINE 99% AR/ACS	Analyzed On	: 17-Apr-2021
Lot No.	: B330302104	Mol. Weight	: 75.07
Mol. Formula	: H ₂ NCH ₂ COOH	CAS No.	: 56-40-6
Code No.	: 03976	Exp. Date	: Mar-2026
Mfg. Date	: Apr-2021	UN No.	: -
HAZ. / P.G.	: -		

Sr.	Tests	Specifications	Results
1	Appearance	White crystalline powder	white crystalline powder
2	Assay (by HClO ₄ titration)	99.0-101.0%	99.87%
3	Identification	Passes test	Passes test
4	Solubility	Passes test	Passes test
5	Appearance of solution	Passes test	passes test
6	pH (5 % solution)	5.9-6.3	6.24
7	Insoluble matter in water	Max 0.005%	<0.005%
8	Hydrolizable substance	Passes test	passes test
9	Substance darkened by H ₂ SO ₄	Passes test	Passes test
10	Chloride (Cl)	Max 0.003%	0.0027%
11	Heavy metal (as Pb)	Max 0.001%	0.00005%
12	Sulphate (SO ₄)	Max 0.005%	0.0045%
13	Loss on drying (at 105°C)	Max 0.2%	0.02%
14	Residue on ignition	Max 0.05%	0.049%
15	Ammonium (NH ₄)	Max 0.005%	0.0044%
16	Iron (Fe)	Max 0.001%	0.00009%
17	Arsenic (As)	Max 0.0001%	0.0001%
18	Copper (Cu)	Max 0.0005%	0.00007%
19	Nickel (Ni)	Max 0.0005%	0.00002%
20	Lead (Pb)	Max 0.0005%	0.00005%

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