

**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** : RA/2223/401 **CERTIFICATE NO.** : RA/2223/401  
**NAME OF PRODUCT** : GLYCINE AR, ACS  
**BATCH NO** : C233/0121/1601/62 **DATE OF ANALYSIS** : 19.03.2023  
**PRODUCT CODE** : 20119 **SPECIFICATION REF** : 20119SP04  
**MFG. DATE** : MARCH-2023 **RETEST DATE** : FEBRUARY-2025

CASR NO : (56-40-6)

$C_2H_5NO_2$

M.W. : 75.07

TEST	SPECIFICATIONS	RESULTS	TEST METHOD REF.
Description	A white crystalline powder.	Complies	SDFCL-TAR-GTP -001
Solubility	10% solution in water is clear and not more intensely coloured than reference soln (Y7)	Complies	SDFCL-TAR-GTP -004
Identification	Passes tests.	Complies	BP-2017
Minimum Assay (non-aqueous, on dried sub.)	99.5%	99.71%	BP-2017
pH of (5% solution in water)	5.9 - 6.4	6.18	BP-2017
Loss on drying (at 105°C)	Max. 0.2%	0.15%	BP-2017
Sulphated ash	Max. 0.05%	0.036%	USP-30
<b>MAXIMUM LIMIT OF IMPURITIES</b>			
Insoluble matter	0.003%	Complies[<0.003%]	Analar 8 <sup>th</sup> Edition
Ammonium (NH <sub>4</sub> )	0.005%	Complies[<0.005%]	ACS 10th Edition
Chloride (Cl)	0.003%	Complies[<0.003%]	ACS 10th Edition
Sulphate (SO <sub>4</sub> )	0.0025%	Complies[<0.0025%]	ACS 10th Edition
Copper (Cu)	0.0005%	Complies[<0.0005%]	Analar 8th Edition
Iron (Fe)	0.001%	Complies[<0.001%]	SDFCL-TAR-LTP -038
Heavy metals (as Pb)	0.001%	Complies[<0.001%]	BP-2017
Lead (Pb)	0.0005%	Complies[<0.0005%]	IP-96
Hydrolysable substance	Passes test.	Complies.	USP-30
Other Ninhydrin-positive substances	0.5%	Complies[<0.5%]	BP-2017
Organic volatile impurities	Meets the requirement.	Complies.	USP-40
Substance darkened by sulphuric acid	Passes test.	Complies.	SDFCL-TAR-STP-20119

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)**

..... END OF REPORT.....

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