

**CERTIFICATE OF ANALYSIS**  
**QUALITY CONTROL LABORATORY**  
 of SDFCL Mfg. Unit No. 1  
 E27/ E28, MIDC, Tarapur Industrial Area, B-Road, Boisar-401506, Maharashtra

<b>LAB. ID</b>	: RM/1819/0955	<b>CERTIFICATE NO.</b>	: 220818/16
<b>NAME OF PRODUCT</b>	: HYDROXYLAMINE HYROCHLORIDE AR, ACS	<b>DATE OF ANALYSIS</b>	: 03.11.2019
<b>BATCH NO</b>	: K19A/1618/2208/31	<b>SPECIFICATION REF.</b>	: 20129SP02
<b>PRODUCT CODE</b>	: 20129	<b>RETEST DATE</b>	: OCTOBER-2022
<b>MFG. DATE</b>	: NOVEMBER-2019		

CASR NO : (5470-11-1)

TEST	SPECIFICATIONS	RESULTS	TEST METHOD REF.
	<b>NH<sub>2</sub>OH.HCl</b>	<b>M.W. : 69.49</b>	
Description	Colourless hygroscopic crystals.	Complies	SDFCL-TAR-GTP -001
Solubility	10% solution in water is clear and colourless.	Complies	SDFCL-TAR-GTP -004
Clarity of alcohol soln.	Passes test.	Complies	ACS 10 <sup>th</sup> Edition
Minimum Assay (Redox titration)	99.0%	99.12%	SDFCL-TAR-STP-20129
pH (of 5% solution in water)	2.5 - 3.5	2.981	SDFCL-TAR-GTP -009
Sulphated ash	Max. 0.01%	0.003%	Analar 8 <sup>th</sup> Edition
<b>MAXIMUM LIMIT OF IMPURITIES</b>			
Alcohol insoluble matter	0.005%	Complies[<0.005%]	Analar 8 <sup>th</sup> Edition
Water insoluble matter	0.003%	Complies[0.003%]	Analar 8 <sup>th</sup> Edition
Titration free acid	0.25 meq/g.	Complies[<0.25 meq/g]	ACS 10 <sup>th</sup> Edition
Ammonium (NH <sub>4</sub> )	Passes test	Complies	ACS 10 <sup>th</sup> Edition
Sulphate (SO <sub>4</sub> )	0.002%	Complies[ 0.0002%]	Analar 8 <sup>th</sup> Edition
Sulphur Compound (as SO <sub>4</sub> )	0.005%	Complies[ 0.005%]	ACS 10 <sup>th</sup> Edition
Copper (Cu)	0.0005%	Complies[0.0003%]	Analar 8 <sup>th</sup> Edition
Iron (Fe)	0.0005%	Complies[ 0.0001%]	ACS 10 <sup>th</sup> Edition
Heavy metals(as Pb)	0.0005%	Complies[ 0.0005%]	SDFCL-TAR-STP-20129

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)