

## CERTIFICATE OF ANALYSIS

QUALITY CONTROL LABORATORY

of SDFCL Mfg.Unit No.2

Survey No.299,Poicha(R),-391 780, Taluka : Savli, District : Vadodara , Gujarat  
 NABL ACCREDITED T-3669 ISO/IEC 17025 : 2005 For Chemical (Fine Chemical)

|                         |  |                            |             |
|-------------------------|--|----------------------------|-------------|
| <b>LAB ID.</b>          | : RM/1819/09064                                  | <b>CERTIFICATE NO.</b>     | : 140918/05 |
| <b>NAME OF PRODUCT:</b> | FORMIC ACID 98 - 100% AR (Stabilised with water) |                            |             |
| <b>BATCH NO.</b>        | : F19A/0518/1409/31                              |                            |             |
| <b>PRODUCT CODE</b>     | : 20115  | <b>SPECIFICATION REF.:</b> | 20115SP02   |
| <b>MFG. DATE</b>        | : JUNE.-2019                                     | <b>REASSESSMENT DATE:</b>  | MAY.-2024   |

**CASR NO. (64-18-6)**  
CH2O2                      **M. W. : 46.03**

| TEST                                  | SPECIFICATIONS   | RESULTS     | TEST METHOD REF.  |
|---------------------------------------|--|-------------|---|
| *Description                          | A clear liquid not more than 10 Hazen units in colour, with a pungent odour. | Complies    | Ph Eur 6.0 <sup>th</sup> edition                        |
| *Solubility                           | Miscible with water forming clear & colourless solution.                     | Complies    | Ph Eur 6.0 <sup>th</sup> edition                        |
| *Minimum Assay<br>(By acidimetric)    | 98.0%  | 98.27%      | ACS 10 <sup>th</sup> edition                            |
| *Wt.per ml at 20°C                    | 1.216 - 1.220 g  | 1.219 g     | Ph Eur 6.0 <sup>th</sup> edition                        |
| *Freezing Point                       | 5.5°-7.5°C   | 6.9°C       | ACS 10 <sup>th</sup> edition                            |
| <b>MAXIMUM LIMITS OF IMPURITIES :</b> |  |             |   |
| *Water insoluble matter               | Passes test.   | Passes test | ACS 10 <sup>th</sup> edition                            |
| *Non volatile matter                  | 0.002%   | 0.0016%     | ACS 10 <sup>th</sup> edition                            |
| *Acetate(CH <sub>3</sub> COO)         | Passes test.   | Complies    | In house development                                    |
| *Chloride (Cl)                        | 0.0005%  | <0.0005%    | ACS 10 <sup>th</sup> edition                            |
| *Nitrogen compounds(N)                | 0.002%   | 0.0012%     | ACS 10 <sup>th</sup> edition                            |
| *Sulphate (SO <sub>4</sub> )          | 0.001%   | 0.00073%    | ACS 10 <sup>th</sup> edition                            |
| *Sulphite (SO <sub>3</sub> )          | 0.001%   | <0.001%     | ACS 10 <sup>th</sup> edition                            |
| *Copper (Cu)                          | 0.0005%  | 0.00025%    | Vogel's fifth edition<br>Quantitative chemical analysis |
| *Iron (Fe)                            | 0.0003%  | 0.0002%     | Vogel's fifth edition<br>Quantitative chemical analysis |
| *Lead (Pb)                            | 0.0005%  | <0.0005%    | ACS 2000  |

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

*(This is a computer printed report hence valid without signature)*



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**QUALITY CONTROL LABORATORY**

**of SDFCL Mfg.Unit No.2**

**Survey No.299,Poicha(R),-391 780, Taluka : Savli, District : Vadodara , Gujarat**

**NABL ACCREDITED T-3669 ISO/IEC 17025 : 2005 For Chemical (Fine Chemical)**

**“The tests marked with an \* are not accredited by NABL (ISO/IEC 17025:2005)”.**

THE ABOVE BATCH MATERIAL COMPLIES WITH THE PRESCRIBED QUALITY STANDARD AS 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 analyzing the product upon receipt. Any legally binding assurance regarding the suitability of the product for any particular purpose or use cannot be derived thereof.

**The result 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. 2 (Poicha)**

**Sampling SOP No. : SDFCL-POI-SOP-001**

**Sampling Plan : A (Sq. root of N+1)**

**Spl.Ref. (if any) : -**

**For S D FINE-CHEM LIMITED**

**(Authorised Signatory)**

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SDFCL-MSF-5.10-01-01 ver- 01

**QUALITY CONTROL LABORATORY**

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Manufacturing Unit No.1:E27/E28,MIDC,Tarapur Industrial Area, B-Road, Boisar-401 506,Dist: Thane  
Manufacturing Unit No.2: Survey No. 299, Poicha-391 780, Taluka Savli, Dist: Baroda(Vadodara)