

### 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 TC-6881 ISO/IEC 17025 : 2017 For Chemical Testing

**Date of Sampling** : 04/02/2023  
**Testing started on** : 04/02/2023  
**Testing completed on** : 04/02/2023  
**Date of Reporting** : 22/03/2023

<b>Name Of The Product</b>	<b>NITRIC ACID (1.42) AR</b>		
<b>Batch No.:</b>	<b>A23A/2023/1901/31</b>	<b>Product Code</b>	<b>20168</b>
<b>Mfg. Date</b>	<b>JAN-2023</b>	<b>Reassessment Date</b>	<b>DEC-2027</b>
<b>Specification Reference</b>	<b>20168SP01</b>	<b>Lab ID</b>	<b>RM/2223/01092</b>
<b>CASR No.</b>	<b>7697-37-2</b>	<b>Certificate No.:</b>	<b>190123/20</b>
<b>Molecular Formula</b>	<b>HNO<sub>3</sub></b>	<b>Molecular Weight</b>	<b>63.01</b>

S.NO.	TEST	SPECIFICATIONS	RESULTS	TEST METHOD REF.
1	Description	A clear liquid with a corrosive vapour.	Complies	Ph Eur 6.0 <sup>th</sup> edition
2	Solubility	Miscible with water, forming clear & colourless solution.	Complies	Ph Eur 6.0 <sup>th</sup> edition
3	Assay	69.0 - 71.0%	70.16%	USP 41,NF 36,2018
<b>MAXIMUM LIMITS OF IMPURITIES :</b>				
4	Non volatile matter	0.001%	0.0004%	ACS 10 <sup>th</sup> edition
5	Chloride (Cl)	0.00005%	<0.00005%	ACS 2000
6	Phosphate & Silicate (SiO <sub>2</sub> )	0.0001%	<0.0001%	In house development
7	Sulphate (SO <sub>4</sub> )	0.0002%	0.00015%	ACS 10 <sup>th</sup> edition
8	Arsenic (As)	0.000001%	NIL	In house development
9	Copper (Cu)	0.00001%	0.000004 %	Vogel's fifth edition Quantitative chemical Analysis
10	Iron (Fe)	0.00002%	0.00001%	Vogel's fifth edition Quantitative chemical Analysis
11	Lead (Pb)	0.00001%	NIL	ACS 2000
12	Manganese (Mn)	0.00004%	<0.00004%	In house development

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**Packing is found to be Satisfactory / Not Satisfactory**

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 results relate only to the sample tested.**

**This certificate shall not be reproduced except in full, without written consent of the Lab management.**

**Sampling SOP : SDFCL-POI-SOP-001**  
**Sampling Plan : (Sq.root of N+1)**

**For S D FINE-CHEM LIMITED, POICHA**

**(Authorized Signatory)**  
**Manager Quality Control**

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

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