

Regd. Office : 315 TV Industrial Area, 248 Worli Road, Mumbai-400 030, India.
Admin. Office: 1502, Marathon Icon, Marathon Nextgen Off Ganpatrao Kadam Marg,
 Veer Santaji Marg, Lower Parel, Mumbai - 400 013
E-mail : technical@sdfine.com; Web site : www.sdfine.com
Tel : 022-24814444 **Extn.** : 4510, 4507

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 : 20/10/2022
Testing started on : 20/10/2022
Testing completed on : 21/10/2022
Date of Reporting : 28/03/2023

Name Of The Product	BENZENE AR (Crystallizable)		
Batch No.:	K22A/1522/1710/31	Product Code	20051
Mfg. Date	NOV-2022	Reassessment Date	OCT-2027
Specification Reference	20051SP00	Lab ID	RM/2223/10049
CASR No.	71-43-2	Certificate No.:	171022/15
Molecular Formula	C₆H₆	Molecular Weight	78.11

S.NO.	TEST	SPECIFICATIONS	RESULTS	TEST METHOD REF.
1	Description	A clear colourless liquid with a characteristic odour.	Complies	Ph Eur 10 th edition
2	Solubility	Miscible with absolute industrial methylated spirit forming clear & colourless solution.	Complies	Ph Eur 10 th edition
3	Minimum Assay (GC)	99.7%	99.98 %	In house development
4	Wt.per ml at 20°C	0.877 - 0.878 g	0.877	Ph Eur 10 th edition
5	Freezing point	Not below 5.2°C	6°C	ACS 10 th edition
6	Boiling Range (79.5-80.5°)	Min. 95.0%	96%	Ph Eur 10 th edition
7	Refractive Index	1.499 - 1.501	1.501	Ph Eur 10 th edition
MAXIMUM LIMITS OF IMPURITIES :				
8	Non volatile matter	0.001%	0.0004%	ACS 10 th edition
9	Water	0.05%	0.018%	Ph Eur 10 th edition
10	Acidity	0.012 ml N%	0.006 ml N%	ACS 10 th edition
11	Alkalinity	0.012 ml N%	< 0.012 ml N%	ACS 10 th edition
12	Copper (Cu)	0.00002%	0.00001%	Vogel's fifth edition Quantitative chemical analysis
13	Iron (Fe)	0.00005%	0.00002%	Vogel's fifth edition Quantitative chemical analysis
14	Lead (Pb)	0.00002%	< 0.00002%	ACS 2000
15	Organic impurities	Passes acid wash test	Complies	In house development
16	Sulphur compounds (CS ₂)	0.0003%	Complies	In house development
17	Thiophen(C ₄ H ₄ S)	0.0002%	Complies	In house development

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



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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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