



MSV Analytical Laboratories

(Certified by ISO-14001-2015, ISO 22000-2018, ISO 45001-2018, ISO 9001-2015)

C.M.C Ward No 18 & C.T.C W.No.16 T.S No. 695/A/32/B1, Block No 19 (1st & 2nd Floor)

Sanganakallu Road, KEB Circle, Ballari - 583103 Contact No : Mob : 94498 03895, (O) : 9945456764, 08392-255169

Email : labmsv@gmail.com, msvalbellary2018@gmail.com, msvalab01@gmail.com Web ID : www.msvalbellary.com

MSVAL/SE/RF/01/00

ANALYSIS REPORT FOR SOURCE EMISSION

- Name and Address of the Industry** : M/s. Shilpa Pharma Life Sciences Limited unit-2, Plot No. 33, 33A, 40-47, Raichur Industrial Growth Center, Chicksugur village, Raichur.
- Stack ID** : Boiler - 10TPH & 6TPH
- Sample Collected By** : MSV Analytical Laboratories, Bellary
- Date of Monitoring** : 14.06.2023
- Date of Sample Receipt** : 15.06.2023
- Sample Code** : 1046
- Analysis Starting Date** : 15.06.2023
- Analysis Completion Date** : 21.06.2023
- Report Issue date** : 22.06.2023

Discipline: Chemical

Group: Atmospheric Pollution

Sub Group: Stack emission

ULR No: MSVAL/2023/0561

GENERAL DETAILS

Instrument Used for Sampling	Sample collected with VSS_1
Fuel Used	---
Ambient Temperature (°C)	33
Stack Temperature (°C)	118
Velocity (m/s)	6.9
Height (m)	30 mtr AGL
Diameter (m)	1.12
Cross sectional area (m ²)	0.9856

RESULTS

Parameters	Protocol	Unit	Result	Standard
Rate of discharge	IS-11255(Part-3) - 2018	m ³ /hr	25236.421	---
Particulate Matter	IS-11255(Part-1) - 2019	mg/Nm ³	68.9	150
Sulphur dioxide	IS-11255(Part2) - 2019	mg/Nm ³	29.2	100
Nitrogen dioxide	IS-11255(Part7) - 2017	mg/Nm ³	35.4	50
Acid mist(HCl Mist)	MSVAL/SOP/SE/002:2022	mg/Nm ³	15.2	35

INFERENCE

As per KSPCB Standards

Report Status: - The analyzed value for above measured parameter is within the limits.

Analysed by



Authorized Signatory
B.Chinna Lingana Gouda
Chief executive of the laboratory

- Note:
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 - Sampling is not done by us unless otherwise specified. 6. The tests and/or calibrations marked with an are not accredited by NABL.



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MSVAL/AA/RF/01/00

ANALYSIS REPORT OF AMBIENT AIR QUALITY

- Name and Address of Industry** : M/s. Shilpa Pharma Life Sciences Limited unit-2, Plot No. 33, 33A, 40-47, Raichur Industrial Growth Center, Chicksugur village, Raichur.
- Name of the location** : Near Main Gate
- Sample Collected By** : MSV Analytical Laboratories, Bellary.
- Particulars of the sampling Equipments** : Sample collected with FDS & RDS 460BL
- Duration of Monitoring** : 8 Hours
- Date of Monitoring** : 14.06.2023
- Date of Sample Receipt** : 15.06.2023
- Analysis Starting Date** : 15.06.2023
- Analysis Completion Date** : 21.06.2023
- Report Issue Date** : 22.06.2023
- Sampling Protocol** : IS 5182 : Part 14 : 2019

Discipline: Chemical Group: Atmospheric Pollution Sub Group: Ambient Air ULR No: MSVAL/2023/0559

S.No	Parameter	Protocols	Shift wise results			Units	Result in Avg.	Tolerance limits
			1	2	3			
			1040	1041	1042			
1	Particulate Matter (Size less than 10 µm) PM ₁₀	IS-5182(Part-23):2017	70.4	68.4	63.2	µg / m ³	67.3	100
2	Particulate Matter (Size less than 2.5 µm) or PM _{2.5}	IS-5182(Part-24):2019	25.2	22.3	21.4	µg / m ³	23.0	60
3	Sulphur Dioxide as SO ₂	IS-5182(Part-2):2017	13.35	12.05	11.35	µg / m ³	12.3	80
4	Oxides of Nitrogen as NO _x	IS-5182(Part-6):2017	16.95	16.25	15.05	µg / m ³	16.1	80
5	Carbon Monoxide as CO	MSVAL/SOP/A/007: 2022	0.26	0.24	0.21	mg / m ³	0.24	2

INFERENCE

As per NAAQS Standards

Report Status :- The analyzed values for above measured parameter are within the limits

Analysed by



END OF REPORT

Authorized Signatory

B.Chinna Lingana Gouda
Chief executive of the laboratory

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MSVAL/AA/RF/01/00

ANALYSIS REPORT OF AMBIENT AIR QUALITY

- Name and Address of Industry** : M/s. Shilpa Pharma Life Sciences Limited unit-2, Plot No. 33, 33A, 40-47, Raichur Industrial Growth Center, Chicksugur village, Raichur.
- Name of the location** : Near Main Gate
- Sample Collected By** : MSV Analytical Laboratories, Bellary.
- Particulars of the sampling Equipments** : Sample collected with FDS & RDS 460BL
- Duration of Monitoring** : 8 Hours
- Date of Monitoring** : 14.06.2023
- Date of Sample Receipt** : 15.06.2023
- Analysis Starting Date** : 15.06.2023
- Analysis Completion Date** : 21.06.2023
- Report Issue Date** : 22.06.2023
- Sampling Protocol** : IS 5182 : Part 14 : 2019

Discipline: Chemical Group: Atmospheric Pollution Sub Group: Ambient Air ULR No: MSVAL/2023/0559

S.No	Parameter	Protocols	Shift wise results			Units	Result in Avg.	Tolerance limits
			1	2	3			
			1040	1041	1042			
6	Carbon Dioxide as CO ₂	Instrument Manual Method	<0.01	<0.01	<0.01	ppm	<0.01	---
7	H ₂ S	IS-5182 (Part-7) - 1973	BDL	BDL	BDL	µg/ m ²	BDL	--

Analysed by



Authorized Signatory

B.Chinnna Lingana Gouda
Chief executive of the laboratory

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MSVAL/AA/RF/01/00

ANALYSIS REPORT OF AMBIENT AIR QUALITY

- Name and Address of Industry** : M/s. Shilpa Pharma Life Sciences Limited unit-2, Plot No. 33, 33A, 40-47, Raichur Industrial Growth Center, Chicksugur village, Raichur.
- Name of the location** : Near Production Block Between C&D
- Sample Collected By** : MSV Analytical Laboratories, Bellary.
- Particulars of the sampling Equipments** : Sample collected with FDS & RDS 460BL
- Duration of Monitoring** : 8 Hours
- Date of Monitoring** : 14.06.2023
- Date of Sample Receipt** : 15.06.2023
- Analysis Starting Date** : 15.06.2023
- Analysis Completion Date** : 21.06.2023
- Report Issue Date** : 22.06.2023
- Sampling Protocol** : IS 5182 : Part 14 : 2019

Discipline: Chemical Group: Atmospheric Pollution

Sub Group: Ambient Air

ULR No: MSVAL/2023/0560

S.No	Parameter	Protocols	Shift wise results			Units	Result in Avg.	Tolerance limits
			1	2	3			
			1043	1044	1045			
1	Particulate Matter (Size less than 10 µm)PM ₁₀	IS-5182(Part-23):2017	65.1	63.2	60.2	µg / m ³	62.8	100
2	Particulate Matter (Size less than 2.5 µm) or PM _{2.5}	IS-5182(Part-24):2019	22.1	20.1	19.3	µg / m ³	20.5	60
3	Sulphur Dioxide as SO ₂	IS-5182(Part-2):2017	13.15	12.35	12.05	µg / m ³	12.5	80
4	Oxides of Nitrogen as NO _x	IS-5182(Part-6):2017	19.35	18.15	17.25	µg / m ³	18.3	80
5	Carbon Monoxide as CO	MSVAL/SOP/A/007: 2022	0.24	0.20	0.12	mg / m ³	0.19	2

INFERENCE	As per NAAQS Standards Report Status :- The analyzed values for above measured parameter are within the limits
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Analysed by

Authorized Signatory

B.Chinna Lingana Gouda

Chief executive of the laboratory



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MSVAL/AA/RF/01/00

ANALYSIS REPORT OF AMBIENT AIR QUALITY

- Name and Address of Industry** : M/s. Shilpa Pharma Life Sciences Limited unit-2, Plot No. 33, 33A, 40-47, Raichur Industrial Growth Center, Chicksugur village, Raichur.
- Name of the location** : Near Production Block Between C&D
- Sample Collected By** : MSV Analytical Laboratories, Bellary.
- Particulars of the sampling Equipments** : Sample collected with FDS & RDS 460BL
- Duration of Monitoring** : 8 Hours
- Date of Monitoring** : 14.06.2023
- Date of Sample Receipt** : 15.06.2023
- Analysis Starting Date** : 15.06.2023
- Analysis Completion Date** : 21.06.2023
- Report Issue Date** : 22.06.2023
- Sampling Protocol** : IS 5182 : Part 14 : 2019

Discipline: Chemical Group: Atmospheric Pollution Sub Group: Ambient Air ULR No: MSVAL/2023/0560

S.No	Parameter	Protocols	Shift wise results			Units	Result in Avg.	Tolerance limits
			1	2	3			
			1043	1044	1045			
6	Carbon Dioxide as CO ₂	Instrument Manual Method	<0.01	<0.01	<0.01	ppm	<0.01	---
7	H ₂ S	IS-5182 (Part-7) - 1973	BDL	BDL	BDL	µg/ m ²	BDL	--

Analysed by

Authorized Signatory

B.Chinna Lingana Gouda
Chief executive of the laboratory

:- END OF REPORT :-



- Note : 1. The results listed only to the tested samples & applicable parameters,
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MSVAL/SE/RF/01/00

ANALYSIS REPORT FOR SOURCE EMISSION

1. Name and Address of the Industry : M/s. Shilpa Pharma Life Sciences Limited unit-2, Plot No. 33, 33A, 40-47, Raichur Industrial Growth Center, Chicksugur village, Raichur.
2. Stack ID : Scrubber-Production Block-C (Intermediate Centrifuges Area)
3. Sample Collected By : MSV Analytical Laboratories, Bellary
4. Date of Monitoring : 14.06.2023
5. Date of Sample Receipt : 15.06.2023
6. Sample Code : 1047
7. Analysis Starting Date : 15.06.2023
8. Analysis Completion Date : 21.06.2023
9. Report Issue date : 22.06.2023

Discipline: Chemical

Group: Atmospheric Pollution

Sub Group: Stack emission

ULR No: MSVAL/2023/0562

GENERAL DETAILS

Instrument Used for Sampling	Sample collected with VSS_1
Fuel Used	---
Ambient Temperature (°C)	30
Stack Temperature (°C)	45
Velocity (m/s)	5.6
Height (m)	3 mtr AGL
Diameter (m)	0.29
Cross sectional area (m ²)	0.0660

RESULTS

Parameters	Protocol	Unit	Result	Standard
Rate of discharge	IS-11255(Part-3) - 2018	m ³ /hr	1252.352	---
Particulate Matter	IS-11255(Part-1) - 2019	mg/Nm ³	34.6	---
Sulphur dioxide	IS-11255(Part2) - 2019	mg/Nm ³	14.6	---
Nitrogen dioxide	IS-11255(Part7) - 2017	mg/Nm ³	15.2	---
Acid mist(HCl Mist)	MSVAL/SOP/SE/002:2022	mg/Nm ³	6.24	35
Volatile organic compounds	MSVAL/SOP/SE/003	%	BDL	Shall not be more than 0.01

INFERENCE	As per KSPCB Standards Report Status: - The analyzed value for above measured parameter is within the limits.
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Analysed by



:- END OF REPORT :-

Authorized Signatory

B.Chinna Lingana Gouda
Chief executive of the laboratory

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MSVAL/SE/RF/01/00

ANALYSIS REPORT FOR SOURCE EMISSION

- Name and Address of the Industry** : M/s. Shilpa Pharma Life Sciences Limited unit-2, Plot No. 33, 33A, 40-47, Raichur Industrial Growth Center, Chicksugur village, Raichur.
- Stack ID** : Scrubber-Production Block-C (Intermediate Reactors Area)
- Sample Collected By** : MSV Analytical Laboratories, Bellary
- Date of Monitoring** : 14.06.2023
- Date of Sample Receipt** : 15.06.2023
- Sample Code** : 1048
- Analysis Starting Date** : 15.06.2023
- Analysis Completion Date** : 21.06.2023
- Report Issue date** : 22.06.2023

Discipline: Chemical

Group: Atmospheric Pollution

Sub Group: Stack emission ULR No: MSVAL/2023/0563

GENERAL DETAILS

Instrument Used for Sampling	Sample collected with VSS_1
Fuel Used	---
Ambient Temperature (°C)	35
Stack Temperature (°C)	39
Velocity (m/s)	5.5
Height (m)	3 mtr AGL
Diameter (m)	0.29
Cross sectional area (m ²)	0.0660

RESULTS

Parameters	Protocol	Unit	Result	Standard
Rate of discharge	IS-11255(Part-3) - 2018	m ³ /hr	1132.24	---
Particulate Matter	IS-11255(Part-1) - 2019	mg/Nm ³	44.1	---
Sulphur dioxide	IS-11255(Part-2) - 2019	mg/Nm ³	15.1	---
Nitrogen dioxide	IS-11255(Part-7) - 2017	mg/Nm ³	16.3	---
Acid mist(HCl Mist)	MSVAL/SOP/SE/002:2022	mg/Nm ³	13.5	35
Volatile organic compounds	MSVAL/SOP/SE/003	%	BDL	Shall not be more than 0.01

INFERENCE

As per KSPCB Standards

Report Status: - The analyzed value for above measured parameter is within the limits.

Analysed by

END OF REPORT



Authorized Signatory

B.Chinna Lingana Gouda
Chief executive of the laboratory

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MSVAL/SE/RF/01/00

ANALYSIS REPORT FOR SOURCE EMISSION

1. Name and Address of the Industry : M/s. Shilpa Pharma Life Sciences Limited unit-2, Plot No. 33, 33A, 40-47, Raichur Industrial Growth Center, Chicksugur village, Raichur.
2. Stack ID : Scrubber-Production Block-AI (Intermediate Area)
3. Sample Collected By : MSV Analytical Laboratories, Bellary
4. Date of Monitoring : 14.06.2023
5. Date of Sample Receipt : 15.06.2023
6. Sample Code : 1049
7. Analysis Starting Date : 15.06.2023
8. Analysis Completion Date : 21.06.2023
9. Report Issue date : 22.06.2023

Discipline: Chemical

Group: Atmospheric Pollution

Sub Group: Stack emission

ULR No: MSVAL/2023/0564

GENERAL DETAILS

Instrument Used for Sampling	Sample collected with VSS_1
Fuel Used	---
Ambient Temperature (°C)	35
Stack Temperature (°C)	39
Velocity (m/s)	5.5
Height (m)	3 mtr AGL
Diameter (m)	0.33
Cross sectional area (m ²)	0.0855

RESULTS

Parameters	Protocol	Unit	Result	Standard
Rate of discharge	IS-11255(Part-3) - 2018	m ³ /hr	1796.328	---
Particulate Matter	IS-11255(Part-1) - 2019	mg/Nm ³	42.3	---
Sulphur dioxide	IS-11255(Part-2) - 2019	mg/Nm ³	14.1	---
Nitrogen dioxide	IS-11255(Part-7) - 2017	mg/Nm ³	143	---
Acid mist(HCl Mist)	MSVAL/SOP/SE/002:2022	mg/Nm ³	11.2	35
Volatile organic compounds	MSVAL/SOP/SE/003	%	BDL	Shall not be more than 0.01

INFERENCE

As per KSPCB Standards

Report Status: - The analyzed value for above measured parameter is within the limits.

Analysed by



Authorized Signatory
B.Chinna Lingana Gouda
Chief executive of the laboratory

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MSVAL/SE/RF/01/00

ANALYSIS REPORT FOR SOURCE EMISSION

1. Name and Address of the Industry : M/s. Shilpa Pharma Life Sciences Limited unit-2, Plot No. 33, 33A, 40-47, Raichur Industrial Growth Center, Chicksugur village, Raichur.
2. Stack ID : Scrubber-Production Block-D (Intermediate)
3. Sample Collected By : MSV Analytical Laboratories, Bellary
4. Date of Monitoring : 14.06.2023
5. Date of Sample Receipt : 15.06.2023
6. Sample Code : 1050
7. Analysis Starting Date : 15.06.2023
8. Analysis Completion Date : 21.06.2023
9. Report Issue date : 22.06.2023

Discipline: Chemical

Group: Atmospheric Pollution

Sub Group: Stack emission ULR No: MSVAL/2023/0565

GENERAL DETAILS

Instrument Used for Sampling	Sample collected with VSS_1
Fuel Used	---
Ambient Temperature (°C)	33
Stack Temperature (°C)	42
Velocity (m/s)	5.0
Height (m)	3 mtr AGL
Diameter (m)	0.33
Cross sectional area (m ²)	0.0855

RESULTS

Parameters	Protocol	Unit	Result	Standard
Rate of discharge	IS-11255(Part-3) - 2018	m ³ /hr	1742.53	---
Particulate Matter	IS-11255(Part-1) - 2019	mg/Nm ³	42.6	---
Sulphur dioxide	IS-11255(Part-2) - 2019	mg/Nm ³	15.1	---
Nitrogen dioxide	IS-11255(Part-7) - 2017	mg/Nm ³	19.3	---
Acid mist(HCl Mist)	MSVAL/SOP/SE/002:2022	mg/Nm ³	8.5	35
Volatile organic compounds	MSVAL/SOP/SE/003	%	BDL	Shall not be more than 0.01

INFERENCE

As per KSPCB Standards

Report Status: - The analyzed value for above measured parameter is within the limits.

Analysed by

Authorized Signatory

B.Chinga Lingana Gouda

Chief executive of the laboratory

END OF REPORT



- Note : 1. The results listed only to the tested samples & applicable parameters,
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Sanganakallu Road, KEB Circle, Ballari - 583103 **Contact No** : Mob : 94498 03895, (O) : 9945456764, 08392-255169

Email : labmsv@gmail.com, msvalbellary2018@gmail.com, msv.lab01@gmail.com **Web ID** : www.msvalbellary.com

MSVAL/SE/RF/01/00

ANALYSIS REPORT FOR SOURCE EMISSION

- Name and Address of the Industry** : M/s. Shilpa Pharma Life Sciences Limited unit-2, Plot No. 33, 33A, 40-47, Raichur Industrial Growth Center, Chicksugur village, Raichur.
- Stack ID** : Scrubber-Production Block-D (Pharma Area)
- Sample Collected By** : MSV Analytical Laboratories, Bellary
- Date of Monitoring** : 14.06.2023
- Date of Sample Receipt** : 15.06.2023
- Sample Code** : 1051
- Analysis Starting Date** : 15.06.2023
- Analysis Completion Date** : 21.06.2023
- Report Issue date** : 22.06.2023

Discipline: Chemical

Group: Atmospheric Pollution

Sub Group: Stack emission

ULR No: MSVAL/2023/0566

GENERAL DETAILS

Instrument Used for Sampling	Sample collected with VSS_1
Fuel Used	---
Ambient Temperature (°C)	33
Stack Temperature (°C)	40
Velocity (m/s)	4.7
Height (m)	3 mtr AGL
Diameter (m)	0.34
Cross sectional area (m²)	0.0908

RESULTS

Parameters	Protocol	Unit	Result	Standard
Rate of discharge	IS-11255(Part-3) - 2018	m ³ /hr	1642.34	---
Particulate Matter	IS-11255(Part-1) - 2019	mg/Nm ³	42.6	---
Sulphur dioxide	IS-11255(Part-2) - 2019	mg/Nm ³	16.3	---
Nitrogen dioxide	IS-11255(Part-7) - 2017	mg/Nm ³	23.4	---
Acid mist(HCl Mist)	MSVAL/SOP/SE/002:2022	mg/Nm ³	9.2	35
Volatile organic compounds	MSVAL/SOP/SE/003	%	BDL	Shall not be more than 0.01

INFERENCE	As per KSPCB Standards Report Status: - The analyzed value for above measured parameter is within the limits.
------------------	--------------------------------------------------------------------------------------------------------------------------------

Analysed by



END OF REPORT:-

Authorized Signatory

B.Chinna Lingana Gouda
Chief executive of the laboratory

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Email : labmsv@gmail.com, msvalbellary2018@gmail.com, msvalbellary2018@gmail.com Web ID : www.msvalbellary.com

MSVAL/SE/RF/01/00

ANALYSIS REPORT FOR SOURCE EMISSION

- Name and Address of the Industry** : M/s. Shilpa Pharma Life Sciences Limited unit-2, Plot No. 33, 33A, 40-47, Raichur Industrial Growth Center, Chicksugur village, Raichur.
- Stack ID** : Scrubber-Production Block-E (Intermediate Centrifuges Area)
- Sample Collected By** : MSV Analytical Laboratories, Bellary
- Date of Monitoring** : 14.06.2023
- Date of Sample Receipt** : 15.06.2023
- Sample Code** : 1052
- Analysis Starting Date** : 15.06.2023
- Analysis Completion Date** : 21.06.2023
- Report Issue date** : 22.06.2023

Discipline: Chemical

Group: Atmospheric Pollution

Sub Group: Stack emission

ULR No: MSVAL/2023/0567

GENERAL DETAILS

Instrument Used for Sampling	Sample collected with VSS_1
Fuel Used	---
Ambient Temperature (°C)	35
Stack Temperature (°C)	39
Velocity (m/s)	5.5
Height (m)	3 mtr AGL
Diameter (m)	0.35
Cross sectional area (m ²)	0.0962

RESULTS

Parameters	Protocol	Unit	Result	Standard
Rate of discharge	IS-11255(Part-3) - 2018	m ³ /hr	1638.441	---
Particulate Matter	IS-11255(Part-1) - 2019	mg/Nm ³	39.4	---
Sulphur dioxide	IS-11255(Part-2) - 2019	mg/Nm ³	13.2	---
Nitrogen dioxide	IS-11255(Part-7) - 2017	mg/Nm ³	16.2	---
Acid mist(HCl Mist)	MSVAL/SOP/SE/002:2022	mg/Nm ³	11.6	35
Volatile organic compounds	MSVAL/SOP/SE/003	%	BDL	Shall not be more than 0.01

INFERENCE	As per KSPCB Standards Report Status: - The analyzed value for above measured parameter is within the limits.
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Analysed by



Authorized Signatory

B.Chinna Lingana Gouda
Chief executive of the laboratory

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ANALYSIS REPORT FOR SOURCE EMISSION

- Name and Address of the Industry** : M/s. Shilpa Pharma Life Sciences Limited unit-2, Plot No. 33, 33A, 40-47, Raichur Industrial Growth Center, Chicksugur village, Raichur.
- Stack ID** : Scrubber-Production Block-H (Intermediate Area)
- Sample Collected By** : MSV Analytical Laboratories, Bellary
- Date of Monitoring** : 14.06.2023
- Date of Sample Receipt** : 15.06.2023
- Sample Code** : 1053
- Analysis Starting Date** : 15.06.2023
- Analysis Completion Date** : 21.06.2023
- Report Issue date** : 22.06.2023

Discipline: Chemical

Group: Atmospheric Pollution

Sub Group: Stack emission

ULR No: MSVAL/2023/0568

GENERAL DETAILS

Instrument Used for Sampling	Sample collected with VSS_1
Fuel Used	---
Ambient Temperature (°C)	33
Stack Temperature (°C)	42
Velocity (m/s)	5.0
Height (m)	3 mtr AGL
Diameter (m)	0.28
Cross sectional area (m ²)	0.06160

RESULTS

Parameters	Protocol	Unit	Result	Standard
Rate of discharge	IS-11255(Part-3) - 2018	m ³ /hr	843.02	---
Particulate Matter	IS-11255(Part-1) - 2019	mg/Nm ³	44.3	---
Sulphur dioxide	IS-11255(Part-2) - 2019	mg/Nm ³	45.2	---
Nitrogen dioxide	IS-11255(Part-7) - 2017	mg/Nm ³	17.3	---
Acid mist(HCl Mist)	MSVAL/SOP/SE/002:2022	mg/Nm ³	10.9	35
Volatile organic compounds	MSVAL/SOP/SE/003	%	BDL	Shall not be more than 0.01

INFERENCE	As per KSPCB Standards Report Status: - The analyzed value for above measured parameter is within the limits.
------------------	------------------------------------------------------------------------------------------------------------------

Analysed by

:- END OF REPORT :-



Authorized Signatory
B.Chinna Lingana Gouda
Chief executive of the laboratory

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ANALYSIS REPORT FOR SOURCE EMISSION

- Name and Address of the Industry** : M/s. Shilpa Pharma Life Sciences Limited unit-2, Plot No. 33, 33A, 40-47, Raichur Industrial Growth Center, Chicksugur village, Raichur.
- Stack ID** : Scrubber-Production Block-I (Intermediate Area)
- Sample Collected By** : MSV Analytical Laboratories, Bellary
- Date of Monitoring** : 14.06.2023
- Date of Sample Receipt** : 15.06.2023
- Sample Code** : 1054
- Analysis Starting Date** : 15.06.2023
- Analysis Completion Date** : 21.06.2023
- Report Issue date** : 22.06.2023

Discipline: Chemical

Group: Atmospheric Pollution

Sub Group: Stack emission

ULR No: MSVAL/2023/0569

GENERAL DETAILS

Instrument Used for Sampling	Sample collected with VSS_1
Fuel Used	---
Ambient Temperature (°C)	30
Stack Temperature (°C)	45
Velocity (m/s)	5.0
Height (m)	3 mtr AGL
Diameter (m)	0.34
Cross sectional area (m ²)	0.0908

RESULTS

Parameters	Protocol	Unit	Result	Standard
Rate of discharge	IS-11255(Part-3) - 2018	m ³ /hr	1682.36	---
Particulate Matter	IS-11255(Part-1) - 2019	mg/Nm ³	44.2	---
Sulphur dioxide	IS-11255(Part-2) - 2019	mg/Nm ³	17.6	---
Nitrogen dioxide	IS-11255(Part-7) - 2017	mg/Nm ³	21.3	---
Acid mist(HCl Mist)	MSVAL/SOP/SE/002:2022	mg/Nm ³	9.8	35
Volatile organic compounds	MSVAL/SOP/SE/003	%	BDL	Shall not be more than 0.01

INFERENCE	As per KSPCB Standards Report Status: - The analyzed value for above measured parameter is within the limits.
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Analysed by



Authorized Signatory

B.Chinna Lingana Gouda
Chief executive of the laboratory

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ANALYSIS REPORT FOR SOURCE EMISSION

- Name and Address of the Industry** : M/s. Shilpa Pharma Life Sciences Limited unit-2, Plot No. 33, 33A, 40-47, Raichur Industrial Growth Center, Chicksugur village, Raichur.
- Stack ID** : Scrubber-Production Block-AJ (Intermediate Area)
- Sample Collected By** : MSV Analytical Laboratories, Bellary
- Date of Monitoring** : 14.06.2023
- Date of Sample Receipt** : 15.06.2023
- Sample Code** : 1055
- Analysis Starting Date** : 15.06.2023
- Analysis Completion Date** : 21.06.2023
- Report Issue date** : 22.06.2023

Discipline: Chemical

Group: Atmospheric Pollution

Sub Group: Stack emission

ULR No: MSVAL/2023/0570

GENERAL DETAILS

Instrument Used for Sampling	Sample collected with VSS_1
Fuel Used	---
Ambient Temperature (°C)	33
Stack Temperature (°C)	40
Velocity (m/s)	4.7
Height (m)	3 mtr AGL
Diameter (m)	0.35
Cross sectional area (m ²)	0.0962

RESULTS

Parameters	Protocol	Unit	Result	Standard
Rate of discharge	IS-11255(Part-3) - 2018	m ³ /hr	1932.412	---
Particulate Matter	IS-11255(Part-1) - 2019	mg/Nm ³	36.4	---
Sulphur dioxide	IS-11255(Part-2) - 2019	mg/Nm ³	14.2	---
Nitrogen dioxide	IS-11255(Part-7) - 2017	mg/Nm ³	18.1	---
Acid mist(HCl Mist)	MSVAL/SOP/SE/002:2022	mg/Nm ³	13.5	35
Volatile organic compounds	MSVAL/SOP/SE/003	%	BDL	Shall not be more than 0.01

INFERENCE	As per KSPCB Standards Report Status: - The analyzed value for above measured parameter is within the limits.
------------------	------------------------------------------------------------------------------------------------------------------

Analysed by



Authorized Signatory

B.Chinna Lingana Gouda
Chief executive of the laboratory

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MSVAL/SE/RF/01/00

ANALYSIS REPORT FOR SOURCE EMISSION

1. Name and Address of the Industry : M/s. Shilpa Pharma Life Sciences Limited unit-2, Plot No. 33, 33A, 40-47, Raichur Industrial Growth Center, Chicksugur village, Raichur.
2. Stack ID : DG - Set 625KVA- I
3. Sample Collected By : MSV Analytical Laboratories, Bellary
4. Date of Monitoring : 14.06.2023
5. Date of Sample Receipt : 15.06.2023
6. Sample Code : 1056
7. Analysis Starting Date : 15.06.2023
8. Analysis Completion Date : 21.06.2023
9. Report Issue date : 22.06.2023

Discipline: Chemical

Group: Atmospheric Pollution

Sub Group: Stack emission

ULR No: MSVAL/2023/0571

GENERAL DETAILS

Instrument Used for Sampling	Sample collected with VSS _1
Fuel Used	Diesel
Ambient Temperature (°C)	32
Stack Temperature (°C)	82
Velocity (m/s)	6.3
Height (m)	6 mtr AGL
Diameter (m)	0.5
Cross sectional area (m ²)	0.1964

RESULTS

Parameters	Protocol	Unit	Result	Standard
Particulate Matter	IS-11255(Part-1) - 2019	mg/Nm ³	55.1	150
Sulphur dioxide	IS-11255(Part-2) - 2019	mg/Nm ³	24.1	100
Nitrogen dioxide	IS-11255(Part-7) - 2017	mg/Nm ³	29.1	50

INFERENCE	As per KSPCB Standards Report Status: - The analyzed value for above measured parameter is within the limits.
-----------	------------------------------------------------------------------------------------------------------------------

Analysed by

END OF REPORT



Authorized Signatory

B.Chinna Lingana Gouda
Chief executive of the laboratory

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ANALYSIS REPORT FOR SOURCE EMISSION

- Name and Address of the Industry** : M/s. Shilpa Pharma Life Sciences Limited unit-2, Plot No. 33, 33A, 40-47, Raichur Industrial Growth Center, Chicksugur village, Raichur.
- Stack ID** : DG - Set 625KVA- II
- Sample Collected By** : MSV Analytical Laboratories, Bellary
- Date of Monitoring** : 14.06.2023
- Date of Sample Receipt** : 15.06.2023
- Sample Code** : 1052
- Analysis Starting Date** : 15.06.2023
- Analysis Completion Date** : 21.06.2023
- Report Issue date** : 22.06.2023

Discipline: Chemical

Group: Atmospheric Pollution

Sub Group: Stack emission

ULR No: MSVAL/2023/0572

GENERAL DETAILS

Instrument Used for Sampling	Sample collected with VSS_1
Fuel Used	Diesel
Ambient Temperature (°C)	33
Stack Temperature (°C)	80
Velocity (m/s)	6.0
Height (m)	6 mtr AGL
Diameter (m)	0.5
Cross sectional area (m ²)	0.1964

RESULTS

Parameters	Protocol	Unit	Result	Standard
Particulate Matter	IS-11255(Part-1) - 2019	mg/Nm ³	50.4	150
Sulphur dioxide	IS-11255(Part-2) - 2019	mg/Nm ³	19.5	100
Nitrogen dioxide	IS-11255(Part-7) - 2017	mg/Nm ³	23.6	50

INFERENCE	As per KSPCB Standards Report Status: - The analyzed value for above measured parameter is within the limits.
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Analysed by

:- END OF REPORT:-



Authorized Signatory

B.Chinna Lingana Gouda
Chief executive of the laboratory

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ANALYSIS REPORT FOR SOURCE EMISSION

- Name and Address of the Industry** : M/s. Shilpa Pharma Life Sciences Limited unit-2, Plot No. 33, 33A, 40-47, Raichur Industrial Growth Center, Chicksugur village, Raichur.
- Stack ID** : DG - Set 625KVA - III
- Sample Collected By** : MSV Analytical Laboratories, Bellary
- Date of Monitoring** : 14.06.2023
- Date of Sample Receipt** : 15.06.2023
- Sample Code** : 1058
- Analysis Starting Date** : 15.06.2023
- Analysis Completion Date** : 21.06.2023
- Report Issue date** : 22.06.2023

Discipline: Chemical

Group: Atmospheric Pollution

Sub Group: Stack emission

ULR No: MSVAL/2023/0573

GENERAL DETAILS

Instrument Used for Sampling	Sample collected with VSS_1
Fuel Used	Diesel
Ambient Temperature (°C)	31
Stack Temperature (°C)	75
Velocity (m/s)	5.7
Height (m)	6 mtr AGL
Diameter (m)	0.5
Cross sectional area (m ²)	0.1964

RESULTS

Parameters	Protocol	Unit	Result	Standard
Particulate Matter	IS-11255(Part-1) - 2019	mg/Nm ³	54.3	150
Sulphur dioxide	IS-11255(Part-2) - 2019	mg/Nm ³	17.2	100
Nitrogen dioxide	IS-11255(Part-7) - 2017	mg/Nm ³	25.6	50

INFERENCE	As per KSPCB Standards Report Status: - The analyzed value for above measured parameter is within the limits.
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Analysed by



END OF REPORT:-

Authorized Signatory

B.Chinna Lingana Gouda
Chief executive of the laboratory

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MSVAL/SE/RF/01/00

ANALYSIS REPORT FOR SOURCE EMISSION

- Name and Address of the Industry** : M/s. Shilpa Pharma Life Sciences Limited unit-2, Plot No. 33, 33A, 40-47, Raichur Industrial Growth Center, Chicksugur village, Raichur.
- Stack ID** : DG - Set 750 KVA-IV
- Sample Collected By** : MSV Analytical Laboratories, Bellary
- Date of Monitoring** : 14.06.2023
- Date of Sample Receipt** : 15.06.2023
- Sample Code** : 1059
- Analysis Starting Date** : 15.06.2023
- Analysis Completion Date** : 21.06.2023
- Report Issue date** : 22.06.2023

Discipline: Chemical Group: Atmospheric Pollution Sub Group: Stack emission ULR No: MSVAL/2023/0574

GENERAL DETAILS

Instrument Used for Sampling	Sample collected with VSS _1
Fuel Used	Diesel
Ambient Temperature (°C)	34
Stack Temperature (°C)	85
Velocity (m/s)	5.8
Height (m)	6 mtr AGL
Diameter (m)	0.5
Cross sectional area (m ²)	0.1964

RESULTS

Parameters	Protocol	Unit	Result	Standard
Particulate Matter	IS-11255(Part-1) - 2019	mg/Nm ³	51.6	150
Sulphur dioxide	IS-11255(Part-2) - 2019	mg/Nm ³	20.4	100
Nitrogen dioxide	IS-11255(Part-7) - 2017	mg/Nm ³	24.1	50

INFERENCE	As per KSPCB Standards Report Status: - The analyzed value for above measured parameter is within the limits.
------------------	--------------------------------------------------------------------------------------------------------------------------------

Analysed by

:- END OF REPORT :-



Authorized Signatory

B.Chinna Lingana Gouda
Chief executive of the laboratory

- Note: 1. The results listed only to the tested samples & applicable parameters.
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Email : labmsv@gmail.com, msvalbellary2018@gmail.com, msv.lab01@gmail.com Web ID : www.msvalbellary.com

MSVAL/SE/RF/01/00

ANALYSIS REPORT FOR SOURCE EMISSION

- Name and Address of the Industry** : M/s. Shilpa Pharma Life Sciences Limited unit-2, Plot No. 33, 33A, 40-47, Raichur Industrial Growth Center, Chicksugur village, Raichur.
- Stack ID** : Thermic Fluid Heater
- Sample Collected By** : MSV Analytical Laboratories, Bellary
- Date of Monitoring** : 14.06.2023
- Date of Sample Receipt** : 15.06.2023
- Sample Code** : 1060
- Analysis Starting Date** : 15.06.2023
- Analysis Completion Date** : 21.06.2023
- Report Issue date** : 22.06.2023

Discipline: Chemical

Group: Atmospheric Pollution

Sub Group: Stack emission

ULR No: MSVAL/2023/0575

GENERAL DETAILS

Instrument Used for Sampling	Sample collected with VSS_1
Fuel Used	---
Ambient Temperature (°C)	31
Stack Temperature (°C)	115
Velocity (m/s)	6.7
Height (m)	3 mtr AGL
Diameter (m)	0.35
Cross sectional area (m ²)	0.0962

RESULTS

Parameters	Protocol	Unit	Result	Standard
Rate of discharge	IS-11255(Part-3) - 2018	m ³ /hr	2141.328	---
Emission Rate of PM	IS-11255(Part-1) - 2019	MT/day	0.000114	---
Particulate Matter	IS-11255(Part-1) - 2019	mg/Nm ³	50.4	150
Sulphur dioxide	IS-11255(Part-2) - 2019	mg/Nm ³	14.8	100
Nitrogen dioxide	IS-11255(Part-7) - 2017	mg/Nm ³	20.5	50

INFERENCE	As per KSPCB Standards Report Status: - The analyzed value for above measured parameter is within the limits.
-----------	------------------------------------------------------------------------------------------------------------------

Analysed by



Authorized Signatory

B.Chinnna Lingana Gouda
Chief executive of the laboratory

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Email : labmsv@gmail.com, msvalbellary2018@gmail.com, msv.lab01@gmail.com Web ID : www.msvalbellary.com

MSVAL/AN/RF/01/00

AMBIENT NOISE LEVEL MONITORING REPORT

- Name of the industry** : M/s. Shilpa Pharma Life Sciences Limited unit-2, Plot No. 33, 33A, 40-47, Raichur Industrial Growth Center, Chicksugur village, Raichur.
- Sample Collected By** : MSV Analytical Laboratories, Bellary
- Particulars of Sample Collected** : Noise meter
- Date of Monitoring** : 14.06.2023
- Report Issue Date** : 22.06.2023
- Method Adopted** : IS 9989: 2020

Discipline: Chemical

Group: Atmospheric Pollution

Sub Group: Ambient Noise

ULR No: MSVAL/2023/0576

S.No	Sample Location	Time Frequency	Results			Permissible limits in dB(A) Leq
			Maximum in dB(A) Leq	Minimum in dB(A) Leq	Avg. in dB(A) Leq	
1	DG Set Area	At 07:00 AM	62.8	60.1	61.5	75
2		At 08:00 AM	63.8	61.9	62.9	
3		At 09:00 AM	64.9	62.8	63.9	
4		At 10:00 AM	66.2	64.2	65.2	
5		At 11:00 AM	62.8	60.9	61.9	
6		At 12:00 PM	61.2	59.2	60.2	
7		At 01:00 PM	63.2	61.2	62.2	
8		At 02:00 PM	64.8	62.9	63.9	
9		At 03:00 PM	65.2	63.2	64.2	
10		At 04:00 PM	60.2	58.4	59.3	
11		At 05:00 PM	60.9	58.4	59.7	
12		At 06:00 PM	61.8	59.2	60.5	
13		At 07:00 PM	64.9	62.2	63.6	
14		At 08:00 PM	65.8	63.2	64.5	
15		At 09:00 PM	66.9	64.2	65.6	
16		At 10:00 PM	65.2	63.5	64.4	
17		At 11:00 PM	68.9	66.2	67.6	
18		At 12:00 AM	65.9	63.2	64.6	
19		At 01:00 AM	66.4	64.2	65.3	
20		At 02:00 AM	65.2	63.1	64.2	
21		At 03:00 AM	66.2	64.2	65.2	
22		At 04:00 AM	67.4	65.2	66.3	
23		At 05:00 AM	66.9	64.2	65.6	
24		At 06:00 AM	65.8	63.2	64.5	

INFERENCE	As per KSPCB Standards Report Status :- The Noise level for the all locations is within the limits
------------------	-------------------------------------------------------------------------------------------------------

Analysed by



Authorized Signatory

B.Chinna Lingana Gouda
Chief executive of the laboratory

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MSVAL/AN/RF/01/00

AMBIENT NOISE LEVEL MONITORING REPORT

- Name of the industry** : M/s. Shilpa Pharma Life Sciences Limited unit-2, Plot No. 33, 33A, 40-47, Raichur Industrial Growth Center, Chicksugur village, Raichur.
- Sample Collected By** : MSV Analytical Laboratories, Bellary
- Particulars of Sample Collected** : Noise meter
- Date of Monitoring** : 14.06.2023
- Report Issue Date** : 22.06.2023
- Method Adopted** : IS 9989: 2020

Discipline: Chemical

Group: Atmospheric Pollution

Sub Group: Ambient Noise

ULR No: MSVAL/2023/0577

S.No	Sample Location	Time Frequency	Results			
			Maximum in dB(A) Leq	Minimum in dB(A) Leq	Avg. in dB(A) Leq	Permissible limits in dB(A) Leq
1	Production Area	At 07:00 AM	64.9	62.2	63.6	75
2		At 08:00 AM	65.8	63.2	64.5	
3		At 09:00 AM	66.9	64.2	65.6	
4		At 10:00 AM	65.2	63.5	64.4	
5		At 11:00 AM	68.9	66.2	67.6	
6		At 12:00 PM	65.9	63.2	64.6	
7		At 01:00 PM	66.4	64.2	65.3	
8		At 02:00 PM	65.2	63.1	64.2	
9		At 03:00 PM	66.2	64.2	65.2	
10		At 04:00 PM	67.4	45.2	56.3	
11		At 05:00 PM	66.9	64.2	65.6	
12		At 06:00 PM	65.8	63.2	64.5	
13		At 07:00 PM	62.8	60.1	61.5	
14		At 08:00 PM	63.8	61.4	62.6	
15		At 09:00 PM	64.9	62.8	63.9	
16		At 10:00 PM	66.2	66.5	66.4	
17		At 11:00 PM	62.8	60.9	61.9	
18		At 12:00 AM	63.2	61.2	62.2	
19		At 01:00 AM	64.8	62.9	63.9	
20		At 02:00 AM	65.2	58.4	61.8	
21		At 03:00 AM	60.4	58.4	59.4	
22		At 04:00 AM	61.6	54.2	57.9	
23		At 05:00 AM	56.3	65.4	60.9	
24		At 06:00 AM	62.5	60.4	61.5	
					70	

INFERENCE

As per KSPCB Standards

Report Status :- The Noise level for the all locations is within the limits

Analysed by



*** End of Report ***

Authorized Signatory
B.Chinna Lingana Gouda
Chief executive of the laboratory

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Email : labmsv@gmail.com, msvalbellary2018@gmail.com, msv.lab01@gmail.com Web ID : www.msvalbellary.com

MSVAL/AN/RF/01/00

AMBIENT NOISE LEVEL MONITORING REPORT

- Name of the industry** : M/s. Shilpa Pharma Life Sciences Limited unit-2, Plot No. 33, 33A, 40-47, Raichur Industrial Growth Center, Chicksugur village, Raichur.
- Sample Collected By** : MSV Analytical Laboratories, Bellary
- Particulars of Sample Collected** : Noise meter
- Date of Monitoring** : 14.06.2023
- Report Issue Date** : 22.06.2023
- Method Adopted** : IS 9989: 2020

Discipline: Chemical

Group: Atmospheric Pollution

Sub Group: Ambient Noise

ULR No: MSVAL/2023/0578

S.No	Sample Location	Time Frequency	Results			Permissible limits in dB(A) Leq
			Maximum in dB(A) Leq	Minimum in dB(A) Leq	Avg. in dB(A) Leq	
1	Near Main Gate	At 07:00 AM	61.4	59.2	60.3	75
2		At 08:00 AM	62.5	60.9	61.7	
3		At 09:00 AM	64.9	62.2	63.6	
4		At 10:00 AM	62.8	60.1	61.5	
5		At 11:00 AM	58.2	56.4	57.3	
6		At 12:00 PM	56.9	54.2	55.6	
7		At 01:00 PM	55.9	53.2	54.6	
8		At 02:00 PM	54.9	52.2	53.6	
9		At 03:00 PM	53.8	51.2	52.5	
10		At 04:00 PM	53.9	53.8	53.9	
11		At 05:00 PM	60.2	58.2	59.2	
12		At 06:00 PM	63.2	64.9	64.1	
13		At 07:00 PM	60.4	58.9	59.7	
14		At 08:00 PM	59.8	57.2	58.5	
15		At 09:00 PM	62.4	60.8	61.6	
16		At 10:00 PM	61.9	59.4	60.7	
17		At 11:00 PM	59.7	57.6	58.7	70
18		At 12:00 AM	60.8	58.2	59.5	
19		At 01:00 AM	62.8	57.3	60.1	
20		At 02:00 AM	61.8	59.2	60.5	
21		At 03:00 AM	62.8	60.9	61.9	
22		At 04:00 AM	64.2	62.7	63.5	
23		At 05:00 AM	58.4	56.2	57.3	
24		At 06:00 AM	62.5	61.4	62.0	

INFERENCE	As per KSPCB Standards Report Status :- The Noise level for the all locations is within the limits
------------------	---------------------------------------------------------------------------------------------------------------------

Analysed by



Authorized Signatory
B.Chinna Lingana Gouda
Chief executive of the laboratory

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MSVAL/AN/RF/01/00

AMBIENT NOISE LEVEL MONITORING REPORT

- Name of the industry** : M/s. Shilpa Pharma Life Sciences Limited unit-2, Plot No. 33, 33A, 40-47, Raichur Industrial Growth Center, Chicksugur village, Raichur.
- Sample Collected By** : MSV Analytical Laboratories, Bellary
- Particulars of Sample Collected** : Noise meter
- Date of Monitoring** : 14.06.2023
- Report Issue Date** : 22.06.2023
- Method Adopted** : IS 9989: 2020

Discipline: Chemical

Group: Atmospheric Pollution

Sub Group: Ambient Noise

ULR No: MSVAL/2023/0579

S.No	Sample Location	Time Frequency	Results			Permissible limits in dB(A) Leq
			Maximum in dB(A) Leq	Minimum in dB(A) Leq	Avg. in dB(A) Leq	
1	Near Administration Office	At 07:00 AM	60.4	58.9	59.7	75
2		At 08:00 AM	59.8	57.2	58.5	
3		At 09:00 AM	62.4	60.8	61.6	
4		At 10:00 AM	61.9	59.4	60.7	
5		At 11:00 AM	54.3	57.6	56.0	
6		At 12:00 PM	60.8	58.2	59.5	
7		At 01:00 PM	62.9	60.2	61.6	
8		At 02:00 PM	59.8	57.3	58.6	
9		At 03:00 PM	61.8	59.2	60.5	
10		At 04:00 PM	64.8	60.9	62.9	
11		At 05:00 PM	64.2	62.7	63.5	
12		At 06:00 PM	58.4	56.2	57.3	
13		At 07:00 PM	61.4	54.2	57.8	
14		At 08:00 PM	62.8	66.9	64.9	
15		At 09:00 PM	64.9	62.2	63.6	
16		At 10:00 PM	62.8	60.1	61.5	
17		At 11:00 PM	58.2	56.4	57.3	
18		At 12:00 AM	56.9	54.2	55.6	
19		At 01:00 AM	55.9	53.2	54.6	
20		At 02:00 AM	54.9	52.1	53.5	70
21		At 03:00 AM	53.8	51.2	52.5	
22		At 04:00 AM	53.9	52.1	53.0	
23		At 05:00 AM	60.2	58.2	59.2	
24		At 06:00 AM	63.3	64.9	64.1	

INFERENCE	As per KSPCB Standards Report Status :- The Noise level for the all locations is within the limits
------------------	-------------------------------------------------------------------------------------------------------

Analysed by



Authorized Signatory

B.Chinna Lingana Gouda
Chief executive of the laboratory

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MSVAL/W/RF/01/00

ANALYSIS REPORT OF WATER QUALITY

- Name and Address of Industry** : M/s. Shilpa Pharma Life Sciences Limited unit-2, Plot No. 33, 33A, 40-47, Raichur Industrial Growth Center, Chicksugur village, Raichur.
- Sample Marked as** : Effluent Untreated Water
- Name of the location** : ---
- Sample Collected By** : MSV Analytical Laboratories, Bellary.
- Sample quantity** : Pet Bottle, 2 Liter.
- Sample Description/condition** : Water/Good
- Date of Sample Collection** : 14.06.2023
- Date of sample receipt** : 15.06.2023
- Sample Code** : 1065
- Analysis Starting Date** : 15.06.2023
- Analysis Completion Date** : 21.06.2023
- Report Issue Date** : 22.06.2023

Discipline: Chemical Group: Pollution & Environment Sub Group: Waste Water ULR No: MSVAL/2023/0580

S.No	Parameters	Protocol	Unit	Result
Physical parameters				
1	Color	IS : 3025(part-4)	Hazen	Light Brown
2	Odor	IS : 3025(part-5)	---	Unobjectionable
3	pH @ 25°C	4500 H+ BAPHA 23rd Edn: 2017	-	7.34
4	Turbidity	2530 B-APHA 23 rd Edition :2017	NTU	1.56
Chemical parameters				
5	Total Suspended solids	2540 F APHA 23rd Edn : 2017	mg/L	132
6	Total Dissolved Solids	2540 C APHA 23 rd Edn : 2017	mg/L	2560
7	Oil & Grease	5520 D APHA 23 rd Edition :2017	mg/L	8
8	Bio-chemical Oxygen Demand (3 days at 27°C)	IS 3025(Part-44): 2019	mg/L	34
9	Chemical Oxygen Demand	5230 B-APHA23rd Edn : 2017	mg/L	72

Analysed by



:- ENVIRONMENTAL REPORT :-

Authorized Signatory

B.Channa Lingana Gouda
Chief executive of the laboratory

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MSVAL/W/RF/01/00

ANALYSIS REPORT OF WATER QUALITY

1. Name and Address of Industry	:	M/s. Shilpa Pharma Life Sciences Limited unit-2, Plot No. 33, 33A, 40-47, Raichur Industrial Growth Center, Chicksugur village, Raichur.
2. Sample Marked as	:	Effluent Treated Water
3. Name of the location	:	---
4. Sample Collected By	:	MSV Analytical Laboratories, Bellary.
5. Sample quantity	:	Pet Bottle, 2 Liter.
6. Sample Description/condition	:	Water/Good
7. Date of Sample Collection	:	14.06.2023
8. Date of sample receipt	:	15.06.2023
9. Sample Code	:	1066
10. Analysis Starting Date	:	15.06.2023
11. Analysis Completion Date	:	21.06.2023
12. Report Issue Date	:	22.06.2023

Discipline: Chemical Group: Pollution & Environment Sub Group: Waste Water ULR No: MSVAL/2023/0581

S.No	Parameters	Protocol	Unit	Result	KSPCB Standards
Physical parameters					
1	Color	IS : 3025(part-4)	Hazen	Light Brown	---
2	Odor	IS : 3025(part-5)	---	Unobjectionable	---
3	pH @ 25°C	4500 H+ BAPHA 23rd Edn: 2017	-	7.36	6.5-8.5
4	Turbidity	2530 B-APHA 23 rd Edition :2017	NTU	1.20	---
Chemical parameters					
5	Total Suspended solids	2540 F APHA 23rd Edn : 2017	mg/L	14	100
6	Total Dissolved Solids	2540 C APHA 23 rd Edn : 2017	mg/L	1224	---
7	Oil & Grease	5520 D APHA 23 rd Edition :2017	mg/L	2	10
8	Bio-chemical Oxygen Demand (3 days at 27°C)	IS 3025(Part-44): 2019	mg/L	15	30
9	Chemical Oxygen Demand	5230 B-APHA23rd Edn : 2017	mg/L	55	250

Analysed by



Authorized Signatory

B.Chinna Lingana Gouda
Chief executive of the laboratory

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(Certified by ISO-14001-2015, ISO 22000-2018, ISO 45001-2018, ISO 9001-2015)

C.M.C Ward No 18 & C.T.C W.No.16 T.S No. 695/A/32/B1, Block No 19 (1st & 2nd Floor)

Sanganakallu Road, KEB Circle, Ballari - 583103 Contact No : Mob : 94498 03895, (O) : 9945456764, 08392-255169

Email : labmsv@gmail.com, msvalbellary2018@gmail.com, msv.lab01@gmail.com Web ID : www.msvalbellary.com

MSVAL/W/RF/01/00

ANALYSIS REPORT OF WATER QUALITY

1. Name and Address of Industry : M/s. Shilpa Pharma Life Sciences Limited unit-2,
Plot No. 33, 33A, 40-47, Raichur Industrial Growth Center,
Chicksugur village, Raichur.
2. Sample Marked as : Bore Well Water
3. Name of the location : Near Main Gate
4. Sample Collected By : MSV Analytical Laboratories, Bellary.
5. Sample quantity : Pet Bottle, 2 Liter.
6. Sample Description/condition : Water/Good
7. Date of Sample Collection : 14.06.2023
8. Date of sample receipt : 15.06.2023
9. Sample Code : 1067
10. Analysis Starting Date : 15.06.2023
11. Analysis Completion Date : 21.06.2023
12. Report Issue Date : 22.06.2023

Discipline: Chemical Group: Water Sub Group: Drinking Water ULR No: MSVAL/2023/0582

S.No	Parameters	Protocol	Unit	Result	IS 10500-2018	
					Acceptable limit	Permissible Limit
Physical parameters						
1	Colour	IS : 3025(part-4)	Hazen	Colourless	5	15
2	Odour	IS : 3025(part-5)	---	Odourless	Agreeable	Agreeable
3	pH	IS : 3025(part-11)	---	7.11	6.5 - 8.5	No Relaxation
4	Taste	IS : 3025(part-8)	--	Agreeable	Agreeable	Agreeable
5	Turbidity	IS : 3025(part-10)	NTU	0.34	1	5
6	Total Dissolved Solids	IS : 3025(part-16)	mg/l	1156	500	2000
Chemical parameters						
7	Total Alkalinity as CaCO ₃	IS : 3025(part-23)	mg/l	420	200	600
8	Total Hardness as CaCO ₃	IS : 3025(part-21)	mg/l	376	200	600
9	Calcium as Ca	IS : 3025(part-40)	mg/l	75.6	75	200
10	Magnesium as Mg	IS : 3025(part-46)	mg/l	45.44	30	100
11	Sulphate as SO ₄	IS : 3025(part-24)	mg/l	79.1	200	400
12	Chloride as Cl	IS : 3025(part-32)	mg/l	141.1	250	1000
13	Nitrate as NO ₃	IS : 3025(part-34)	mg/l	1.14	45	No Relaxation
14	Iron as Fe	IS : 3025(part-53)	mg/l	0.04	0.3	No Relaxation
15	Fluoride as F	IS : 3025(part-60)	mg/l	0.23	1.0	1.5

INFERENCE IS 10500 - 2018 standards
Report Status: - The above parameters are within the prescribed Permissible Limits.

Analysed by



Authorized Signatory

B.Chinna Lingana Gouda
Chief executive of the laboratory

- Note: 1. The results listed only to the tested samples & applicable parameters,
2. Water samples will be destroyed after 10 days, Filter papers & Thimbles will be destroyed 3 months from the date of issue of test certificate unless otherwise specified. ILC sample will be destroyed after 1 month from the date of test certificate issue.
3. This report is not to be reproduced wholly or in part & cannot be used as evidence in the court of law & should not be used in any advertising media without our special permission in writing.
4. Total liability of our laboratory is limited to the invoice amount. Any dispute arising out of this report is subject to Bellary Jurisdiction only.
5. Sampling is not done by us unless otherwise specified. 6. The tests and/or calibrations marked with an asterisk are not accredited by NABL.



MSV Analytical Laboratories

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MSVAL/MB/W/RF/01/00

ANALYSIS REPORT FOR WATER IN MICROBIOLOGY

1. Name and Address of Industry : M/s. Shilpa Pharma Life Sciences Limited unit-2,
Plot No. 33, 33A, 40-47, Raichur Industrial Growth Center,
Chicksugur village, Raichur.
2. Sample Marked as : Bore Well Water
3. Name of the location : Near Main Gate
4. Sample Collected By : MSV Analytical Laboratories, Bellary.
5. Sample quantity : Sterilized Bottle, 250 ml
6. Sample Description/condition : Water/Good
7. Date of Sample Collection : 14.06.2023
8. Date of sample receipt : 15.06.2023
9. Sample Code : 1068
10. Analysis Starting Date : 15.06.2023
11. Analysis Completion Date : 21.06.2023
12. Report Issue Date : 22.06.2023

Discipline: Biological Group: Water Sub Group: Drinking Water ULR No: MSVAL/2023/0583

RESULTS

Parameters	Protocol	Unit	Result	Acceptable limit As per 10500 : 2018
Total Coli form Bacteria	IS 15185:2016	/100ml	Absent	Shall not be detectable in 100ml
Escherichia-Coli	IS 15185:2016	/100ml	Absent	Shall not be detectable in 100ml

INFERENCE	The test result meets the bacteriological specification of IS 10500:2018. Hence the above water sample is potable.
------------------	-------------------------------------------------------------------------------------------------------------------------------

Analyzed by

Sweetheer

Authorized Signatory

Eswari

Sr.Microbiologist



- Note : 1. The results listed only to the tested samples & applicable parameters,
2. Water samples will destroyed after 10days, Filter papers & Thimbles will be destroyed 3months from the date of issue of test certificate unless otherwise specified. ILC sample will be destroyed after 1 month from the date of test certificate issue.
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MSV Analytical Laboratories

(Certified by ISO-14001-2015, ISO 22000-2018, ISO 45001-2018, ISO 9001-2015)

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Sanganakallu Road, KEB Circle, Ballari - 583103 Contact No : Mob : 94498 03895, (O) : 9945456764, 08392-255169

Email : labmsv@gmail.com, msvalbellary2018@gmail.com, msv.lab01@gmail.com Web ID : www.msvalbellary.com

MSVAL/S&R/RF/01/00

ANALYSIS REPORT OF SOIL QUALITY

1. Name and Address of Industry : M/s. Shilpa Pharma Life Sciences Limited unit-2,
Plot No. 33, 33A, 40-47, Raichur Industrial Growth Center,
Chicksugur village, Raichur.
2. Sample Marked as : Soil Sample
3. Name of the location : ---
4. Sample Collected By : MSV Analytical Laboratories, Bellary.
5. Sample quantity : 5 Kg Bag
6. Sample Description/condition : Soil/Good
7. Date of Sample Collection : 14.06.2023
8. Date of sample receipt : 15.06.2023
9. Sample Code : 1069
10. Analysis Starting Date : 15.06.2023
11. Analysis Completion Date : 21.06.2023
12. Report Issue Date : 22.06.2023

Discipline: Chemical

Group: Soil & Rock

Sub Group: Soils

ULR No: MSVAL/2023/0584

S.NO	PARAMETERS	UNIT	PROTOCOL	RESULT
1	pH	---	IS 2720(Part -26) : 2021	7.65
2	Electrical Conductivity	mS/cm	IS 14767: 2021	0.632
3	Moisture	%	IS 2720 Part- 18: 2021	5.45
3	Total Organic Carbon	%	IS 2720: 2020	0.46

Analysed by



END OF REPORT :-

Authorized Signatory

B.Chinna Lingana Gouda
Chief executive of the laboratory

- Note :
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Email : labmsv@gmail.com, msvalbellary2018@gmail.com, msv.lab01@gmail.com Web ID : www.msvalbellary.com

MSVAL/A/F/16/02

ANALYSIS REPORT OF AMBIENT AIR QUALITY

Test Report No: MSVAL/2023/0585

Issued Date: 22.06.2023

1. Name of the Industry : M/s. Shilpa Pharma Life Sciences Limited unit-2,
Plot No. 33, 33A, 40-47, Raichur Industrial Growth
Center, Chicksugur village, Raichur.
2. Sample Collected By : MSV Analytical Laboratories, Bellary.
3. Name of the parameter : Volatile Organic Compounds

S. No	Name of the location	Date of Sampling	Duration of monitoring	Method		
				EPA/625/R-96/010b Compendium of Methods Second Edition		
				Compendium Method TO-17		
				Result	Units	Std
1	Near Boiler chimney Area	14.06.2023	8hours	1.42	Mg/m ³	---
2	Near Production Block Ao	14.06.2023	8hours	1.30	Mg/m ³	---
3	C- Block intermediate area	14.06.2023	8hours	1.10	Mg/m ³	---
4	C- Block pharma Area	15.06.2023	8hours	1.22	Mg/m ³	---
5	D- Block intermediate area	15.06.2023	8hours	1.15	Mg/m ³	---
6	D- Block pharma Area	15.06.2023	8hours	1.30	Mg/m ³	---
7	E- Block intermediate area	16.06.2023	8hours	1.38	Mg/m ³	---
8	G- Block intermediate area	16.06.2023	8hours	1.20	Mg/m ³	---
9	Aj- Block intermediate area	16.06.2023	8hours	1.36	Mg/m ³	---
10	I- Block intermediate area	21.06.2023	8hours	1.22	Mg/m ³	---
11	H- Block intermediate area	21.06.2023	8hours	1.34	Mg/m ³	---

Analysed by

MSV
-: END OF REPORT :-



Authorized Signatory

B.Chinna Lingana Gouda

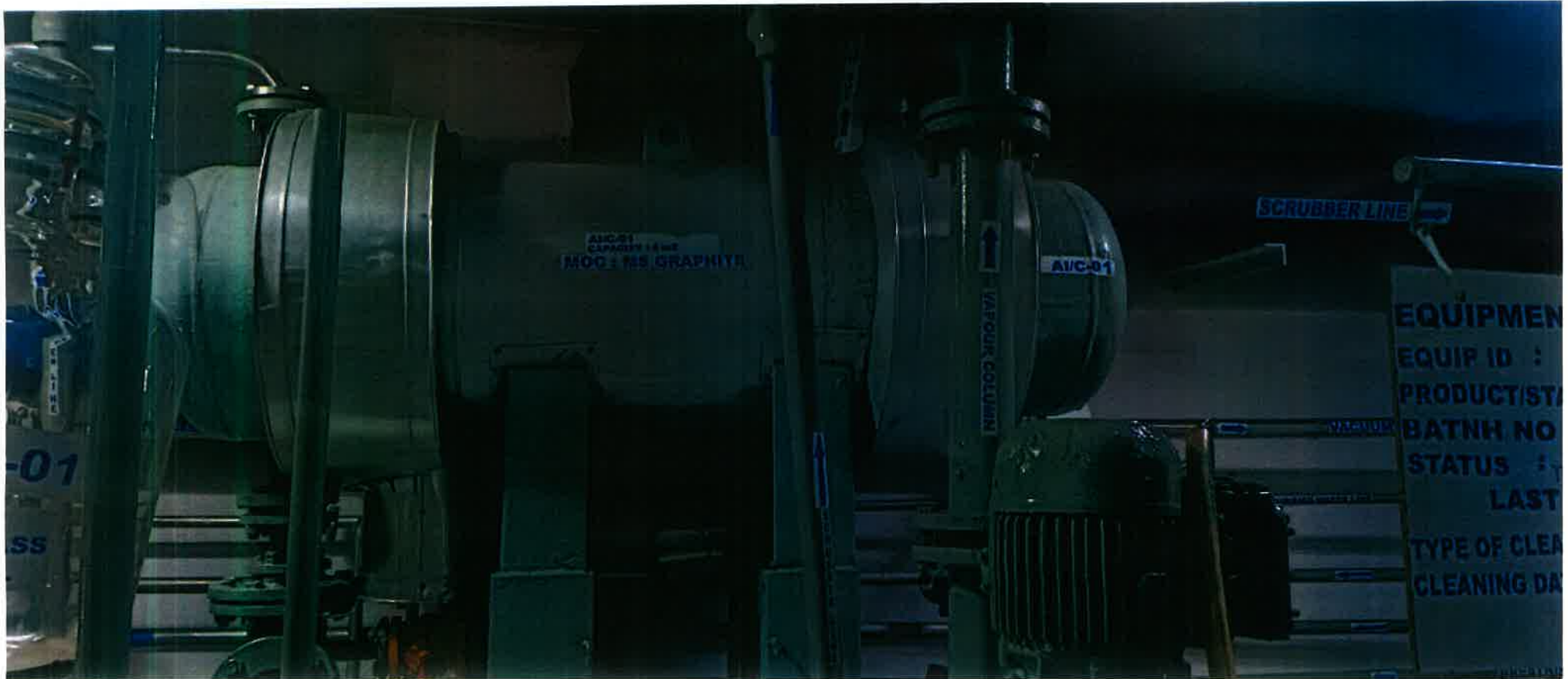
Chief executive of the laboratory


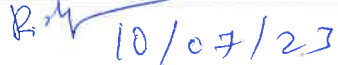
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SHILPA PHARMA LIFESCIENCS LIMITED

CONDENSER FOR CONTROLLING VOC & ODOUR EMISSIONS

BLOCK-AI



	Prepared by	Reviewed by
Name	Vijay Kumar N	R Elangovan
Designation	Engineer-EHS	DGM -EHS
Sign & Date	 10/07/23	 10/07/23



SHILPA PHARMA LIFESCIENCS LIMITED

ACCOUSTIC ENCLOSURE IN DIESEL GENERATOR (DG) FOR NOISE LEVEL REDUCTION

BLOCK-K



Acoustic Enclosure

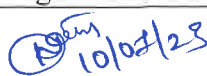
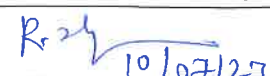
	Prepared by	Reviewed by
Name	Vijay Kumar N	R Elangovan
Designation	Engineer-EHS	DGM -EHS
Sign & Date	 10/07/23	 10/07/23

SHILPA PHARMA LIFESCIENCS LIMITED

SCRBBER SYSTEM TO CONTROL PROCESS EMISSIONS

BLOCK-H

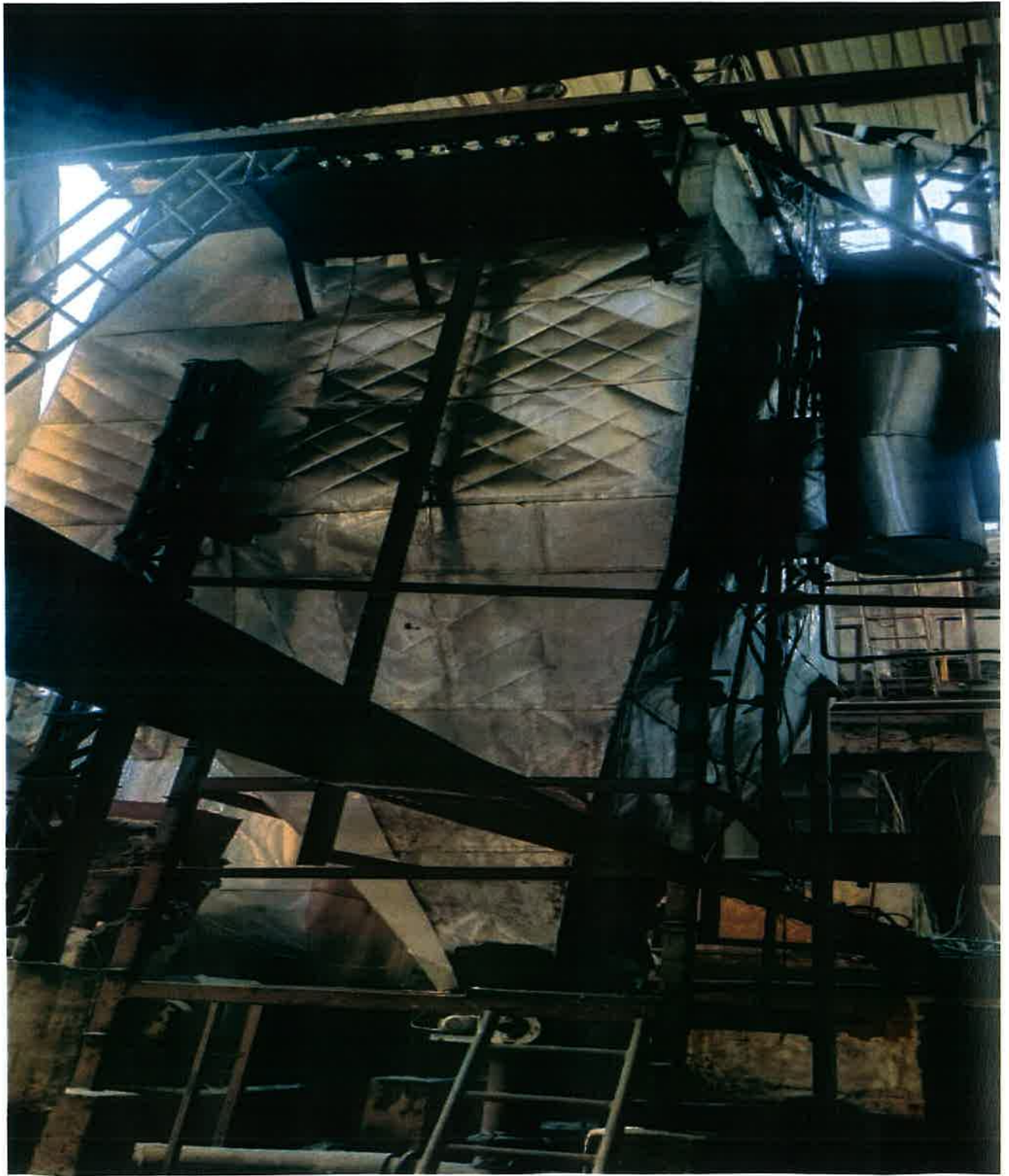




	Prepared by	Reviewed by
Name	Vijay Kumar N	R Elangovan
Designation	Engineer-EHS	DGM -EHS
Sign & Date	 10/07/23	 10/07/23

SHILPA PHARMA LIFESCIENCS LIMITED

BAG FILTER FOR DUST EMISSION CONTROL

BLOCK-J




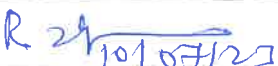
	Prepared by	Reviewed by
Name	Vijay Kumar N	R Elangovan
Designation	Engineer-EHS	DGM -EHS
Sign & Date	 10/07/23	 10/07/23

SHILPA PHARMA LIFESCIENCS LIMITED

ISOLATOR FOR CONTROLLING DUST EXPOSURE

BLOCK-C



	Prepared by	Reviewed by
Name	Vijay Kumar N	R Elangovan
Designation	Engineer-EHS	DGM -EHS
Sign & Date	 10/10/23	 10/10/23