

**TEST REPORT
(AMBIENT AIR MONITORING)**

Test Report No.:	UERL/20/06/SSSSPL/A-001	Report Issue Date	14/07/2020
Service Request form No.:	UERL/AIR/D/SRF/06/A-001	Service Request Date	29/06/2020
Sample ID No.:	UERL/AIR/D/ID/A-20/06/001	Field Data Sheet No.	UERL/AIR/D/FDS/A-20/06/001
Name & Add. of Customer	M/s. Stumpp, Schuele & Somappa Springs Pvt, Ltd. Plot No. 218, GIDC Area, Navariya Village Near Hero Motors, Halol Taluka, Panchmahal District , Gujrat - 389350		
Dates of Sampling :	29/06/2020	Date of Testing	30/06/2020
Location of Sampling / Monitoring:	Near Main Gate		

➤ **Details of Master Instrument Used for Monitoring**

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/02	Respirable Dust Sampler	RDS:SR.No.160203106	10/08/2019	09/08/2020
UERL/AIR/FPS/08	Fine Particulate Sampler	FPS:SR.No.160402021	10/08/2019	09/08/2020

➤ **General Sampling / Monitoring Observation as per CPCB Guideline**

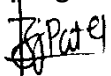
Sr. No.	Description	Unit of measurement	Observation
1.	Monitoring Duration	h	23.42
2.	Flow Rate of PM ₁₀	m ³ /min	1.22
3.	Volume of Air Sampled for PM ₁₀	m ³	1714.3
4.	Volume of Air Sampled for PM _{2.5}	m ³	23.5

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION	
Sr. No.	Test Parameter	Unit	Result	Specific Value (As per NAAQMS)
1.	Particulate Matter PM _{2.5}	µg/m ³	24	60
2.	Particulate Matter PM ₁₀	µg/m ³	71	100
3.	Sulphur Dioxide	µg/m ³	14	80
4.	Nitrogen Dioxide	µg/m ³	16	80

Note: "The parameters marked * are not accredited by NABL"

Sampling Done By:



(Environment Engg.)

Tested By:



(Chemist) / (Sr. Chemist)

Authorized By:



(Manager – Operations)

**TEST REPORT
(AMBIENT AIR MONITORING)**

Test Report No.:	UERL/20/06/SSSSPL/A-002	Report Issue Date	14/07/2020
Service Request form No.:	UERL/AIR/D/SRF/06/A-002	Service Request Date	29/06/2020
Sample ID No.:	UERL/AIR/D/ID/A-20/06/002	Field Data Sheet No.	UERL/AIR/D/FDS/A-20/06/002
Name & Add. of Customer	M/s. Stumpp, Schuele & Somappa Springs Pvt, Ltd. Plot No. 218, GIDC Area, Navariya Village Near Hero Motors, Halol Taluka, Panchmahal District , Gujrat - 389350		
Dates of Sampling :	29/06/2020	Date of Testing	30/06/2020
Location of Sampling / Monitoring:	Near ETP		

➤ **Details of Master Instrument Used for Monitoring**

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/03	Respirable Dust Sampler	RDS:SR.No.160203118	10/08/2019	09/08/2020
UERL/AIR/FPS/06	Fine Particulate Sampler	FPS:SR.No.160802033	10/08/2019	09/08/2020

➤ **General Sampling / Monitoring Observation as per CPCB Guideline**

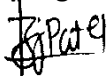
Sr. No.	Description	Unit of measurement	Observation
1.	Monitoring Duration	h	23.65
2.	Flow Rate of PM ₁₀	m ³ /min	1.2
3.	Volume of Air Sampled for PM ₁₀	m ³	1702.8
4.	Volume of Air Sampled for PM _{2.5}	m ³	23.7

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION	
Sr. No.	Test Parameter	Unit	Result	Specific Value (As per NAAQMS)
1.	Particulate Matter PM _{2.5}	µg/m ³	21	60
2.	Particulate Matter PM ₁₀	µg/m ³	65	100
3.	Sulphur Dioxide	µg/m ³	11	80
4.	Nitrogen Dioxide	µg/m ³	15	80

Note: "The parameters marked * are not accredited by NABL"

Sampling Done By:



(Environment Engg.)

Tested By:



(Chemist) / (Sr. Chemist)

Authorized By:



(Manager – Operations)

**TEST REPORT
(AMBIENT AIR MONITORING)**

Test Report No.:	UERL/20/06/SSSSPL/A-003	Report Issue Date	14/07/2020
Service Request form No.:	UERL/AIR/D/SRF/06/A-003	Service Request Date	29/06/2020
Sample ID No.:	UERL/AIR/D/ID/A-20/06/003	Field Data Sheet No.	UERL/AIR/D/FDS/A-20/06/003
Name & Add. of Customer	M/s. Stumpp, Schuele & Somappa Springs Pvt, Ltd. Plot No. 218, GIDC Area, Navariya Village Near Hero Motors, Halol Taluka, Panchmahal District , Gujrat - 389350		
Dates of Sampling :	29/06/2020	Date of Testing	30/06/2020
Location of Sampling / Monitoring:	Near DG Set		

➤ **Details of Master Instrument Used for Monitoring**

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/25	Respirable Dust Sampler	1744-DTA-2013	10/08/2019	09/08/2020
UERL/AIR/FPS/51	Fine Particulate Sampler	137-DTD-2013	10/08/2019	09/08/2020

➤ **General Sampling / Monitoring Observation as per CPCB Guideline**

Sr. No.	Description	Unit of measurement	Observation
1.	Monitoring Duration	h	23.59
2.	Flow Rate of PM ₁₀	m ³ /min	1.24
3.	Volume of Air Sampled for PM ₁₀	m ³	1755.1
4.	Volume of Air Sampled for PM _{2.5}	m ³	23.6

➤ **Test Parameter Results**

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION	
Sr. No.	Test Parameter	Unit	Result	Specific Value (As per NAAQMS)
1.	Particulate Matter PM _{2.5}	µg/m ³	24	60
2.	Particulate Matter PM ₁₀	µg/m ³	73	100
3.	Sulphur Dioxide	µg/m ³	10	80
4.	Nitrogen Dioxide	µg/m ³	15	80

Note: "The parameters marked * are not accredited by NABL"

Sampling Done By:



(Environment Engg.)

Tested By:



(Chemist) / (Sr. Chemist)

Authorized By:



(Manager – Operations)

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/20/06/SSSS/S-001	Report Issue Date	15/07/2020
Service Request form No.	UERL/AIR/D/SRF/06/S-001	Service Request Date	29/06/2020
Sample ID No.	UERL/AIR/D/ID/S-20/06/001	Field Data Sheet No.	UERL/AIR/D/FDS/S-20/06/001
Name & Add. of Customer	M/s. Stumpp, Schuele & Somappa Springs Pvt, Ltd. Plot No. 218, GIDC Area, Navariya Village Near Hero Motors, Halol Taluka, Panchmahal District , Gujrat - 389350		
Date of Sampling	29/06/2020	Date of Testing	30/06/2020
Stack Sampling Attached to	Dust collector (Shot Peening. 1)		
Air Pollution Control Device	--		
Fuel Used	--		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	467 DTJ 15
Calibration Date	27/06/2020	Next Calibration Due On	26/06/2021

➤ **General Stack Monitoring Observation**

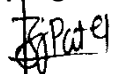
Sr. No.	Description	Unit of measurement	Observation
1.	Stack Height	m	12
2.	Stack Dia	mm	300
3.	Ambient Temperature	°C	40
4.	Flue Gas Temperature	°C	39
5.	Exit Gas Velocity	m/s	8.1
6.	Exit Gas Flow	m ³ /h	2062.03

➤ **Test Parameter Results**


Sr. No.	Test Parameter	Unit of measurement	Result	Specific GPCB Value	Method of Test
1.	Particulate Matter	mg/Nm ³	39	150	IS 11255(Part 1)

Note:1) BDL: Below Detection Limit 2) N.D: Not Detected

Sampling Done By:


(Environment Engg.)

Tested By:


(Chemist) / (Sr. Chemist)

Authorized By:


(Manager – Operations)

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/20/06/SSSS/S-002	Report Issue Date	15/07/2020
Service Request form No.	UERL/AIR/D/SRF/06/S-002	Service Request Date	29/06/2020
Sample ID No.	UERL/AIR/D/ID/S-20/06/002	Field Data Sheet No.	UERL/AIR/D/FDS/S-20/06/002
Name & Add. of Customer	M/s. Stumpp, Schuele & Somappa Springs Pvt, Ltd. Plot No. 218, GIDC Area, Navariya Village Near Hero Motors, Halol Taluka, Panchmahal District , Gujrat - 389350		
Date of Sampling	29/06/2020	Date of Testing	30/06/2020
Stack Sampling Attached to	Dust collector (Shot Peening. 2)		
Air Pollution Control Device	--		
Fuel Used	--		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	467 DTJ 15
Calibration Date	27/06/2020	Next Calibration Due On	26/06/2021

➤ **General Stack Monitoring Observation**

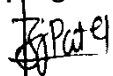
Sr. No.	Description	Unit of measurement	Observation
1.	Stack Height	m	12
2.	Stack Dia	mm	300
3.	Ambient Temperature	°C	38
4.	Flue Gas Temperature	°C	39
5.	Exit Gas Velocity	m/s	7.8
6.	Exit Gas Flow	m ³ /h	1985.66

➤ **Test Parameter Results**


Sr. No.	Test Parameter	Unit of measurement	Result	Specific GPCB Value	Method of Test
1.	Particulate Matter	mg/Nm ³	44	150	IS 11255(Part 1)

Note:1) BDL: Below Detection Limit 2) N.D: Not Detected

Sampling Done By:


(Environment Engg.)

Tested By:


(Chemist) / (Sr. Chemist)

Authorized By:


(Manager – Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/20/06/SSSS/S-003	Report Issue Date	15/07/2020
Service Request form No.	UERL/AIR/D/SRF/06/S-003	Service Request Date	29/06/2020
Sample ID No.	UERL/AIR/D/ID/S-20/06/003	Field Data Sheet No.	UERL/AIR/D/FDS/S-20/06/003
Name & Add. of Customer	M/S. Stumpp, Schuele & Somappa Springs Pvt, Ltd. Plot No. 218, GIDC Area, Navariya Village Near Hero Motors, Halol Taluka, Panchmahal District , Gujrat - 389350		
Date of Sampling	29/06/2020	Date of Testing	30/06/2020
Stack Sampling Attached to	Grinding - 01		
Air Pollution Control Device	--		
Fuel Used	--		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	467 DTJ 15
Calibration Date	27/06/2020	Next Calibration Due On	26/06/2021

➤ **General Stack Monitoring Observation**

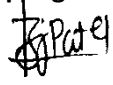
Sr. No.	Description	Unit of measurement	Observation
1.	Stack Height	m	12
2.	Stack Dia	mm	300
3.	Ambient Temperature	°C	38
4.	Flue Gas Temperature	°C	42
5.	Exit Gas Velocity	m/s	7.1
6.	Exit Gas Flow	m ³ /h	1807.46

➤ **Test Parameter Results**


Sr. No.	Test Parameter	Unit of measurement	Result	Specific GPCB Value	Method of Test
1.	Particulate Matter	mg/Nm ³	38	150	IS 11255(Part 1)

Note:1) BDL: Below Detection Limit 2) N.D: Not Detected

Sampling Done By:


(Environment Engg.)

Tested By:


(Chemist) / (Sr. Chemist)

Authorized By:


(Manager – Operations)

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/20/06/SSSS/S-004	Report Issue Date	15/07/2020
Service Request form No.	UERL/AIR/D/SRF/06/S-004	Service Request Date	29/06/2020
Sample ID No.	UERL/AIR/D/ID/S-20/06/004	Field Data Sheet No.	UERL/AIR/D/FDS/S-20/06/004
Name & Add. of Customer	M/S. Stumpp, Schuele & Somappa Springs Pvt, Ltd. Plot No. 218, GIDC Area, Navariya Village Near Hero Motors, Halol Taluka, Panchmahal District , Gujrat - 389350		
Date of Sampling	29/06/2020	Date of Testing	30/06/2020
Stack Sampling Attached to	Grinding - 02		
Air Pollution Control Device	--		
Fuel Used	--		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	467 DTJ 15
Calibration Date	27/06/2020	Next Calibration Due On	26/06/2021

➤ **General Stack Monitoring Observation**

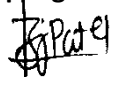
Sr. No.	Description	Unit of measurement	Observation
1.	Stack Height	m	12
2.	Stack Dia	mm	300
3.	Ambient Temperature	°C	38
4.	Flue Gas Temperature	°C	40
5.	Exit Gas Velocity	m/s	7.8
6.	Exit Gas Flow	m ³ /h	1985.66

➤ **Test Parameter Results**


Sr. No.	Test Parameter	Unit of measurement	Result	Specific GPCB Value	Method of Test
1.	Particulate Matter	mg/Nm ³	51	150	IS 11255(Part 1)

Note:1) BDL: Below Detection Limit 2) N.D: Not Detected

Sampling Done By:


(Environment Engg.)

Tested By:


(Chemist) / (Sr. Chemist)

Authorized By:


(Manager – Operations)

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/20/06/SSSS/S-005	Report Issue Date	15/07/2020
Service Request form No.	UERL/AIR/D/SRF/06/S-005	Service Request Date	29/06/2020
Sample ID No.	UERL/AIR/D/ID/S-20/06/005	Field Data Sheet No.	UERL/AIR/D/FDS/S-20/06/005
Name & Add. of Customer	M/S. Stumpp, Schuele & Somappa Springs Pvt, Ltd. Plot No. 218, GIDC Area, Navariya Village Near Hero Motors, Halol Taluka, Panchmahal District , Gujrat - 389350		
Date of Sampling	29/06/2020	Date of Testing	30/06/2020
Stack Sampling Attached to	Grinding - 03		
Air Pollution Control Device	--		
Fuel Used	--		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	467 DTJ 15
Calibration Date	27/06/2020	Next Calibration Due On	26/06/2021

➤ **General Stack Monitoring Observation**

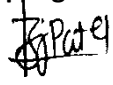
Sr. No.	Description	Unit of measurement	Observation
1.	Stack Height	m	12
2.	Stack Dia	mm	300
3.	Ambient Temperature	°C	40
4.	Flue Gas Temperature	°C	44
5.	Exit Gas Velocity	m/s	8.1
6.	Exit Gas Flow	m ³ /h	2062.03

➤ **Test Parameter Results**


Sr. No.	Test Parameter	Unit of measurement	Result	Specific GPCB Value	Method of Test
1.	Particulate Matter	mg/Nm ³	38	150	IS 11255(Part 1)

Note:1) BDL: Below Detection Limit 2) N.D: Not Detected

Sampling Done By:


(Environment Engg.)

Tested By:


(Chemist) / (Sr. Chemist)

Authorized By:


(Manager – Operations)

TEST REPORT
(STACK MONITORING)

Test Report No.	UERL/20/06/SSSS/S-006	Report Issue Date	15/07/2020
Service Request form No.	UERL/AIR/D/SRF/06/S-006	Service Request Date	29/06/2020
Sample ID No.	UERL/AIR/D/ID/S-20/06/006	Field Data Sheet No.	UERL/AIR/D/FDS/S-20/06/006
Name & Add. of Customer	M/S. Stumpp, Schuele & Somappa Springs Pvt, Ltd. Plot No. 218, GIDC Area, Navariya Village Near Hero Motors, Halol Taluka, Panchmahal District , Gujrat - 389350		
Date of Sampling	29/06/2020	Date of Testing	30/06/2020
Stack Sampling Attached to	Grinding - 04		
Air Pollution Control Device	--		
Fuel Used	--		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	467 DTJ 15
Calibration Date	27/06/2020	Next Calibration Due On	26/06/2021

➤ **General Stack Monitoring Observation**

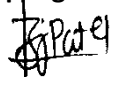
Sr. No.	Description	Unit of measurement	Observation
1.	Stack Height	m	12
2.	Stack Dia	mm	300
3.	Ambient Temperature	°C	38
4.	Flue Gas Temperature	°C	40
5.	Exit Gas Velocity	m/s	8.5
6.	Exit Gas Flow	m ³ /h	2163.86

➤ **Test Parameter Results**


Sr. No.	Test Parameter	Unit of measurement	Result	Specific GPCB Value	Method of Test
1.	Particulate Matter	mg/Nm ³	45	150	IS 11255(Part 1)

Note:1) BDL: Below Detection Limit 2) N.D: Not Detected

Sampling Done By:


(Environment Engg.)

Tested By:


(Chemist) / (Sr. Chemist)

Authorized By:


(Manager – Operations)

**TEST REPORT
(STACK MONITORING)**

Test Report No.	UERL/20/06/SSSS/S-007	Report Issue Date	15/07/2020
Service Request form No.	UERL/AIR/D/SRF/06/S-007	Service Request Date	30/06/2020
Sample ID No.	UERL/AIR/D/ID/S-20/06/007	Field Data Sheet No.	UERL/AIR/D/FDS/S-20/06/007
Name & Add. of Customer	M/S. Stumpp, Schuele & Somappa Springs Pvt, Ltd. Plot No. 218, GIDC Area, Navariya Village Near Hero Motors, Halol Taluka, Panchmahal District , Gujrat - 389350		
Date of Sampling	30/06/2020	Date of Testing	01/07/2020
Stack Sampling Attached to	Furnace		
Air Pollution Control Device	--		
Fuel Used	Electricity		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	467 DTJ 15
Calibration Date	27/06/2020	Next Calibration Due On	26/06/2021

➤ **General Stack Monitoring Observation**


Sr. No.	Description	Unit of measurement	Observation
1.	Stack Height	m	10
2.	Stack Dia	mm	150
3.	Ambient Temperature	°C	36
4.	Flue Gas Temperature	°C	132
5.	Exit Gas Velocity	m/s	7.8
6.	Exit Gas Flow	m ³ /h	496.41

➤ **Test Parameter Results**


Sr. No.	Test Parameter	Unit of measurement	Result	Specific GPCB Value	Method of Test
1.	Particulate Matter	mg/Nm ³	44	150	IS 11255(Part 1)
2.	Sulphur Dioxide	ppm	BDL	100	IS 11255(Part 2)
3.	Oxide of Nitrogen	ppm	BDL	50	IS 11255(Part 7)

Note:1)BDL: Below Detection Limit 2)N.D: Not Detected

Sampling Done By:


(Environment Engg.)

Tested By:


(Chemist) / (Sr. Chemist)

Authorized By:


(Manager – Operations)

TEST REPORT

(WORK PLACE MONITORING)

Test Report No.:	UERL/20/06/SSSS/W-001	Report Issue Date:	14/07/2020
Name & Add. of Customer	M/s. Stumpp, Schuele & Somappa Springs Pvt, Ltd. Plot No. 218, GIDC Area, Navariya Village Near Hero Motors, Halol Taluka, Panchmahal District , Gujrat - 389350		

➤ **Details of Instrument Used for Monitoring.**

Instrument Id No.	Instrument Name	Model Number	Cali. Date	Next Cali. Date
UERL/AIR/SLM/Q630838	Sound Level Meter	SL 4023 SD	31/01/2020	30/01/2021

Date of Monitoring : 29/06/2020

Result

Sr. No.	Location within company premises	Noise Level dB(A)		Limit (As given in Schedule II as per factory act.)
		Day Time	Night Time	
1.	Near Grinding Area	72.5	69.6	85
2.	Near Cooling Area	67.8	64.7	85
3.	Vessel Sorting Area	66.9	64.1	85
4.	Oiling Packaging Area	62.4	58.6	85
5.	Powder Coating Area	70.8	67.9	85
6.	Furnace Line 1	70.6	68.3	85
7.	Furnace Line 2	69.4	67.1	85
8.	D.G Set	62.6	58.7	85
9.	Dust Collector Area	70.8	67.1	85
10.	Loading Unloading Area	62.8	56.1	85

Checked By:



Authorized By:



TEST REPORT

(WORK PLACE MONITORING)

Test Report No.:	UERL/20/06/SSSS/W-002	Report Issue Date:	15/07/2020
Service Request form No.:	UERL/AIR/SRF/06/002	Service Request Date	29/06/2020
Sample ID No.:	UERL/AIR/ID/W-20/06/002	Field Data Sheet No.:	UERL/AIR/FDS/W-20/06/002
Name & Add. of Customer	M/s. Stumpp, Schuele & Somappa Springs Pvt, Ltd. Plot No. 218, GIDC Area, Navariya Village Near Hero Motors, Halol Taluka, Panchmahal District , Gujrat - 389350		
Dates of Sampling :	29/06/2020	Date of Testing	29/06/2020
Method of Sampling :	By Lux Meter		

➤ Details of Master Instrument Used for Monitoring

Instrument Name	Serial Number	Cali. Date	Next Cali. Date
Light Meter	UERL-D/AIR/LM/01	28/01/2020	27/01/2021

➤ Test Parameter Results

Sr. No.	Test Parameter	Location of Sampling / Monitoring	Unit of measurement	Result	Recommended Values of Illumination in Lux as per IS – 3646 (Part – II) – 1966
1	Illuminance	Near Grinding Area	Lux	311	>200
2	Illuminance	Near Cooling Area	Lux	255	>200
3	Illuminance	Near Vessel Shorting	Lux	316	>300
4	Illuminance	Oiling Packing Area	Lux	276	>200
5	Illuminance	Powder Coating Area	Lux	347	>200
6	Illuminance	Visual Inspection Table	Lux	344	>300
7	Illuminance	Office Area	Lux	320	>300
8	Illuminance	Training Room	Lux	385	>300
9	Illuminance	Security Cabin Room	Lux	360	>300
10	Illuminance	Paint Shop Area	Lux	289	>200

Note: Grab Sampling

Checked By:



Authorized By:

