

TEST REPORT

1 of 2
Date: 30.08.2023

Name of the Customer

M/s. Pushpit Steels Private Limited, (Expansion),
Sy.No.303 A/B, Industrial Estate,
Merlapaka (V), Yerpedu (M), Chittoor District.

Test Report No : SAS/W-WW/08/23/246
Sample particulars : Bore Water at AAQMS-1
Sample quantity : 2 Liter
Collected by / date : 22.08.2023
Sample Registration date : 24.08.2023
Analysis Commenced on : 24.08.2023
Analysis Completed on : 30.08.2023
Sub Contract Testing : NA

S. No	Parameter	Method	Unit	Result	IS 10500 Limits	
					Acceptable	Permissible
1	pH	APHA 23rd Edition 4500 H+ B	--	7.52	6.5-8.5	No Relaxation
2	Turbidity	APHA 23rd Edition 2130 B	NTU	<1.0	1.0	5.0
3	Electrical Conductivity	APHA 23rd Edition 2510 B	µmho/cm	1184	--	--
4	Total Dissolved Solids	APHA 23rd Edition 2540 C	mg/l	726	500	2000
5	Color	APHA 23rd Edition 2120 B	CU	<5.0	5	15
6	Odor	APHA 23rd Edition 2150 B	--	Agreeable	Agreeable	Agreeable
7	P-Alkalinity (as CaCO ₃)	APHA 23rd Edition 2320 B	mg/l	<5.0	--	--
8	Total Alkalinity (as CaCO ₃)	APHA 23rd Edition 2320 B	mg/l	241	200	600
9	Total Hardness (as CaCO ₃)	APHA 23rd Edition 2340 C	mg/l	257	200	600
10	Calcium (as Ca)	APHA 23rd Edition 3500 Ca B	mg/l	48.2	75	200
11	Magnesium (as Mg)	APHA 23rd Edition 3500-Mg B	mg/l	32.6	30	100
12	Sodium as Na	APHA 23rd Edition 3500 Na B	mg/l	58.9	--	--
13	Potassium as K	APHA 23rd Edition 3500 K B	mg/l	3.71	--	--
14	Sulphate (as SO ₄)	APHA 23rd Edition 4500 SO ₄ E	mg/l	73.4	200	400
15	Chloride (as Cl)	APHA 23rd Edition 4500 Cl- B	mg/l	130.4	250	100

TEST REPORT

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Report No: SAS/W-WW/08/23/246

S. No	Parameter	Method	Unit	Result	IS 10500 Limits	
					Acceptable	Permissible
16	Nitrate Nitrogen	APHA 23rd Edition 4500 NO3 B	mg/l	4.06	45	No Relaxation
17	Fluorides as F	APHA 23rd Edition 4500 F- D	mg/l	<1.0	1	1.5
18	Iron as Fe	APHA 23rd Edition 3500 Fe B	mg/l	<0.1	0.3	No Relaxation
19	Manganese as Mn	APHA 23rd Edition 3111B	mg/l	<0.01	0.1	0.3
20	Phenolic Compound as Phenols	APHA 23rd Edition 5530 D	mg/l	<0.001	0.001	0.002
21	Hexavalent Chromium as Cr+6	APHA 23rd Edition 2012,3500 Cr B	mg/l	<0.01	0.05	No Relaxation
22	Residual Chlorine as Cl	APHA 23rd Edition 2012,4500 Cl B	mg/l	<0.01	0.2	1.0
23	Total Cyanide	APHA 23rd Edition 2012 CN C, E	mg/l	<0.01	0.05	No Relaxation
24	Copper as Cu	APHA 23rd Edition 3111B	mg/l	<0.001	0.05	1.5
25	Cadmium as Cd	APHA 23rd Edition 3111B	mg/l	<0.001	0.003	No Relaxation
26	Zinc as Zn	APHA 23rd Edition 3111B	mg/l	<0.5	5	15
27	Lead as Pb	APHA 23rd Edition 3111B	mg/l	<0.01	0.01	No Relaxation

Opinion and interpretation: Nil

NA: Not Applicable

1. Reports pertained only to the submitted sample.
2. Test reports shall not be reproduced except in full, without written approval of the laboratory

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Checked by
Srinivas
Sr. Chemist

Authorized Signatory
Alluraiah.V
Manager-Laboratory



TEST REPORT

1 of 1

Report No: SAS/NOISE/PSPL/08/2023-136

Name and Address of the Client:

M/s. Pushpit Steels Private Limited, (Expansion),
Sy.No.303 A/B, Industrial Estate,
Merlapaka (V), Yerpedu (M), Chittoor District.

Date of Report : 30.08.2023
Sample Collection Date : 22.08.2023
Sample Description/Code : Ambient Noise Monitoring
Sub Contract Test : NA
Registration Number : SAS/NOISE/PSPL/08/23-206

S. No	Sampling Location	Day Time In Leq dB (A)	Night Time In Leq dB(A)	CPCB NORMS (Day time)	CPCB NORMS (Night time)
1	Machine Problem	62.8	58.2	75 dB(A)	70 dB(A)

Instrument Details:

S. No	Instrument	Sound Level Meter
1	Make	Lutron
2	Model/S. No	SL - 4010/GE: 2408982
3	Calibrated On	26.06.2023
4	Calibration Due Date	25.06.2024

Opinion and interpretation: Nil

NA: Not Applicable

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Checked by
Srinivas
Sr. Chemist

Alluraiah V
Authorized Signatory
Alluraiah V
Manager-Laboratory



TEST REPORT

1 of 1

Report No: SAS/STACK/PSPL/08/2023-165

Name and Address of the Client:

M/s. Pushpit Steels Private Limited, (Expansion),
Sy.No.303 A/B, Industrial Estate,
Merlapaka (V), Yerpedu (M), Chittoor District.

Date of Report : 30.08.2023
Sample Registration Date : 24.08.2023
Sample Collection Date : 22.08.2023
Sample Description : Stack Emission Monitoring
Sample Particulars : Stack Attached *FURNACE* MT
Sub Contract Test : NA
Registration Number : SAS/STACK/PSPL/08/23-278

S. No	Parameter	Method	Unit	Results	Limits as Per Consent Order
1	Stack Diameter	--	Meter (m)	1.3	--
2	Flue Gas Temperature	IS 11255 (P-3)	°C	198.6	--
3	Flue Gases Velocity	IS 11255 (P-3)	m/sec	14.6	--
4	Flow Rate	IS 11255 (P-3)	Nm ³ /hr.	27991	--
5	Particulate Matter	IS 11255 (P-1)	mg/Nm ³	46.6	100
6	Sulphur Dioxide	IS 11255 (P-2)	mg/Nm ³	60.2	--
7	Oxides of Nitrogen	IS 11255 (P-7)	mg/Nm ³	69.8	--

Instrument Details:

S. No	Instrument	Stack Sampler
1	Make	Complete Environmental Solutions
2	Model/S. No	SS - 104/ 45- L - 2018
3	Calibrated On	26.06.2023
4	Calibration Due Date	25.06.2024

Opinion and interpretation: Nil


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NA: Not Applicable

-- End of the report --

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Checked by
Srinivas
Sr. Chemist

Alluriah V
Authorized Signatory
Alluriah V
Manager-Laboratory



TEST REPORT

Report No: SAS/AAQ/PSPL/08/2023-145

1 of 1

Name and Address of the Client:

M/s. Pushpit Steels Private Limited, (Expansion),
Sy.No.303 A/B, Industrial Estate,
Merlapaka (V), Yerpedu (M), Chittoor District.

Date of Report : 30.08.2023
Sample Collected By : Star Analytical Services - Guntur
Sample Registration Date :24.08.2023
Sample Collection Date :22.08.2023
Sample Received In : Self Sealed Covers and Sample Bottles
Sampling Procedure : CPCB Guidelines (NAAQMS/Volume – I/2013-14)
Sample Description/Code : Ambient Air Quality Monitoring
Registration Number : SAS/AAQ/PSPL/08/23/267-269
Sub Contract Test :NA
Environmental Condition : Weather Condition: Sunny
: Temperature/Humidity: 36°C/58%

S. No	Name of the Parameter	Result			NAAQS Limits	Test Method
		Near Main Gate	Iron Yard	Near Rolling mill Production & Rolling mill pump house Area		
01	Particulate Matter (<10µm) or PM10 (µg/m ³)	58.2	61.8	60.3	100	IS 5182: Part-23 (2012)
02	Particulate Matter (<2.5µm) or PM2.5(µg/m ³)	20.9	22.6	22.1	60	CPCB Manual (NAAQMS/36/2012-13) Gravimetric Method (Cyclonic Flow technique)
03	Sulphur dioxide as SO ₂ in µg/m ³	12.8	16.3	14.8	80	IS 5182: Part-2 (2012)
04	Nitrogen dioxide as NOx in µg/m ³	21.2	24.2	19.2	80	IS 5182: Part-6 (2012)

Opinion and interpretation: Nil

NA: Not Applicable

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Method: Based on CPCBs Guidelines for the measurement of Ambient Air Pollutants, Volume - 1, 2012-13


Calibration:

Date of Calibration: 26.06.2023 (PM_{2.5}) & 26.06.2023 (PM₁₀) Due Date: 25.06.2024 (PM_{2.5}) & 25.06.2024 (PM₁₀)

-- End of the report --

Checked by
Srinivas
Sr. Chemist

Authorized Signatory
Allurajiah.V
Manager-Laboratory



TEST REPORT

1 of 1

Report No: SAS/STACK/PSPL/08/2023-165

Name and Address of the Client:

M/s. Pushpit Steels Private Limited, (Expansion),
Sy.No.303 A/B, Industrial Estate,
Merlapaka (V), Yerpedu (M), Chittoor District.

Date of Report : 30.08.2023
Sample Registration Date : 24.08.2023
Sample Collection Date : 22.08.2023
Sample Description : Stack Emission Monitoring
Sample Particulars : Stack Attached to Furnace 15 Ton Capacity
Sub Contract Test : NA
Registration Number : SAS/STACK/PSPL/08/23-278

S. No	Parameter	Method	Unit	Results	Limits as Per Consent Order
1	Stack Diameter	--	Meter (m)	1.0	--
2	Flue Gas Temperature	IS 11255 (P-3)	°C	172	--
3	Flue Gases Velocity	IS 11255 (P-3)	m/sec	13.1	--
4	Flow Rate	IS 11255 (P-3)	Nm ³ /hr.	2573	--
5	Particulate Matter	IS 11255 (P-1)	mg/Nm ³	46.6	100
6	Sulphur Dioxide	IS 11255 (P-2)	mg/Nm ³	60.2	--
7	Oxides of Nitrogen	IS 11255 (P-7)	mg/Nm ³	69.8	--

Instrument Details:

S. No	Instrument	Stack Sampler
1	Make	Complete Environmental Solutions
2	Model/S. No	SS - 104/ 45- L - 2018
3	Calibrated On	26.06.2023
4	Calibration Due Date	25.06.2024

Opinion and interpretation: Nil

NA: Not Applicable

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