

TEST REPORT



Lab No. Lab/344
Dated-30.09.2013

Not Valid for Consent Purpose

ULR No. : NA		Test Report No. : EL171220NW001/A	
Type of Sample : Water (Ground Water)		Date of Reporting : 21/12/2020	
Customer	Thapar Institute of Engineering & Technology Bhadson Road, Patiala (Punjab)	Work Order No. & Date	WO/TIET/CS/PR/2025 Dt.: 17/11/2020
		Customer reference No. (If any)	NA
Sampling Protocol	IS:3025 (P-1) 1987 RA 2019	Mode of Collection of Sample	Sampling by laboratory
Date of Sampling	17/12/2020	Date of Receipt of Sample	17/12/2020
Sampling Location	From Borewell (Pump No.1)	Testing Location	Permanent Facility
Testing Protocol	IS 10500 : 2012 (Second Revision)	Period of Analysis	17/12/2020 To 21/12/2020
Sample Description Clear, colourless liquid.			
Packing, Markings, Seal & Qty.		2 litre Plastic & 250ml Glass Bottle Marked 'R/17/01'	

RESULTS

II -Biological Testing

1. Water (Ground Water)

S.No.	Test Parameter	Unit	Result	Acceptable limit	Permissible limit in absence of alternate source	Test Method
1	Escherichia coli	CFU/100ml	Absent	Absent	-	IS:15185:2016

Remarks : This test report is the part of Test Report No. EL171220NW001.

OTHER INFORMATION

Abbreviation : ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions : Please refer terms and conditions on backside of Test Report (Page-1)

End of Report

Checked by QA

Simranjit Kaur
Authorized Signatory-Biological

TEST REPORT



No. Lab/2020-30.09.2021

Not Valid for Consent Purpose



TC-7477

ULR No. : TC747720000003487F		Test Report No. : EL171220NS001	
Type of Sample : Soil		Date of Reporting : 21/12/2020	
Customer	Thapar Institute of Engineering & Technology Bhadson Road, Patiala (Punjab)	Work Order No. & Date	WO/TIET/CS/PR/2025 Dt.: 17/11/2020
		Customer reference No. (If any)	NA
Sampling Protocol	USEPA/600/R-92/128	Mode of Collection of Sample	Sampling by laboratory
Date of Sampling	17/12/2020	Date of Receipt of Sample	17/12/2020
Sampling Location	Opposite A5 Residential	Testing Location	Permanent Facility
Testing Protocol	IS Method	Period of Analysis	17/12/2020 To 21/12/2020
Sample Description	Brown colored soil.		
Packing, Markings, Seal & Qty.	2Kg Poly Bag Marked 'R/17/02'		

RESULTS

I. Chemical Testing

1. Pollution & Environment (Soil)

S.No.	Test Parameter	Unit	Result	Test Method
1	pH	--	7.98	IS: 2720 (P-26) 1987 RA2016
2	Conductivity	mmhos/cm	0.252	IS:14767: 2000 RA2016
3	Moisture Content	%	9.5	IS: 2720 (P-II) 1973 R 2015
4	Organic Matter	%	1.11	IS: 2720 (Part XXII) 1972 R2015
5	Texture	--	Sandy Loam	IS: 2720(P- 4) 1985 RA 2015
6	Bulk Density	gm/cc	1.58	IS: 2720(P - III):1980 RA 2016

Remarks : NA

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End of Report

Checked by QA

Dr Rai Singh

Authorized Signatory-Chemical

TEST REPORT



No. Lab/323
dated 30.09.2011

Not Valid for Consent Purpose



TC-7477

ULR No. : TC747720000003491F		Test Report No. : EL181220NA001	
Type of Sample : Ambient Air Quality		Date of Reporting : 21/12/2020	
Customer	Thapar Institute of Engineering & Technology Bhadson Road, Patiala (Punjab)	Work Order No. & Date	WO/TIET/CS/PR/2025 Dt.: 17/11/2020
		Customer reference No. (If any)	NA
Sampling Protocol	IS:5182 and CPCB Air Manual Volume-I (NAAQMS/36/2012-13) / CPCBNAAQS-2009	Mode of Collection of Sample	Sampling by laboratory
Date of Sampling	17/12/2020	Date of Receipt of Sample	18/12/2020
Sampling Location	Park Near Construction & Maintenance Section Office	Period of Analysis	18/12/2020 To 21/12/2020
Testing Protocol	IS:5182 and CPCB Air Manual Volume-I (NAAQMS/36/2012-13) / CPCBNAAQS-2009	Environmental Conditions	Clear Sky
Testing Location	Site Testing & Permanent Facility		

RESULTS

I-Chemical Testing

1. Atmospheric Pollution (Ambient Air)

S.No.	Test Parameter	Unit	Result	Standard	Method
1	Particulate Matter (as PM10)	µg/m ³	109	100	IS: 5182 (Part-23) : 2006, RA 2017
2	Particulate Matter (as PM2.5)	µg/m ³	65	60	Lab SOP: EL/SOP/AAQ/01
3	Sulphur Dioxide (as SO ₂)	µg/m ³	12	80	IS: 5182 (Part-2) : 2001, RA 2017
4	Nitrogen Dioxide (as NO ₂)	µg/m ³	26	80	IS: 5182 (Part-6) : 2006, RA 2017
5	Ammonia (as NH ₃)	µg/m ³	19	400	Lab SOP: EL/SOP/AAQ/02
6	Ozone (as O ₃)	µg/m ³	12	180	IS: 5182 (Part-9) : 1974, RA 2019
7	Carbon Monoxide (as CO)	mg/m ³	0.71	04	IS: 5182 (Part-10) :1999, RA 2019

Remarks : NA

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End of Report

Checked by QA

Dr Rai Singh
Authorized Signatory-Chemical

TEST REPORT



Lab No. Lab/300
Dated-30.09.2011

Not Valid for Consent Purpose



TC-7477

ULR No. : TC747720000003492F		Test Report No. : EL181220NN001	
Type of Sample : Ambient Noise		Date of Reporting : 21/12/2020	
Customer	Thapar Institute of Engineering & Technology Bhadson Road, Patiala (Punjab)	Work Order No. & Date	WO/TIET/CS/PR/2025 Dt.: 17/11/2020
		Customer reference No. (If any)	NA
Sampling Protocol	IS 9989-1989, RA 2008	Mode of Collection of Sample	Sampling by laboratory
Date of Sampling	17/12/2020	Date of Receipt of Sample	18/12/2020
Sampling Location	Construction & Maintenance Section Office Park	Period of Analysis	18/12/2020 To 18/12/2020
Testing Protocol	IS 9989-1989, RA 2008		
Testing Location	Site Testing		

RESULTS

I- Chemical Testing

1. Atmospheric Pollution (Ambient Noise Level)

S.No.	Test Parameters	Units	Results	Method
1	Ambient Day Time Noise Levels	dB(A)	49.1	LAB SOP: EL/SOP/NL/01

Ambient Noise Quality Standards as per Noise Pollution (Regulation and Control) Rules, 2000

Area Code	Category of Area/Zone	Limits in dB(A) Leq*	
		Day Time	Night Time
A	Industrial area	75	70
B	Commercial area	65	55
C	Residential area	55	45
D	Silence Zone	50	40

Day time shall mean from 6.00 a.m. to 10.00 p.m., Night time shall mean from 10.00 p.m. to 6.00 a.m., Silence zone is an area comprising not less than 100 meters around hospitals, educational institutions, courts, religious places or any other area which is declared as such by the competent authority, Mixed categories of areas may be declared as one of the four above mentioned categories by the competent authority.

*dB(A) Leq denotes the time weighted average of the level of sound in decibels on scale 'A' which is relatable to human hearing

Remarks : NA

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Dr Rai Singh
Authorized Signatory-Chemical