



Environ Tech Laboratories

CPCB Recognized under EPA, 1986; ISO 9001:2015; OHSAS ISO 45001:2018

Plot No. C-101, Industrial Area, Phase -VII, Sector-73, Mohali, Punjab- 160059
Mob. 9464000081, 9417220081, 9417210081, (O) 94630-00081, 0172-4630081
GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TC-5879

TEST REPORT



To
M/s KUANTUM PAPERS LTD, SAILA KHURD
TEHSIL- GARHSHANKAR, DISTRICT-HOSHIARPUR,
PUNJAB

Customer Reference No.	NA	Report No.	ETL/04072024/1516
Sample Code given by Customer	NA	Report Date	04.07.2024
Type of sample	Ambient Air	ULR NO.	TC587924000002600F
Sample Condition	Satisfactory	Sample Reg. No.	ETL/A/29062024/1516
Sampling Location	Near Admin Block Garden	Date of Sampling	27.06.2024 – 28.06.2024
Sample Collected By	Mr. K.K. Mishra & Team	Date of sample receipt	29.06.2024
Sampling Procedure	As per lab SOP	Date of Test Performance	29.06.2024 -04.07.2024

Discipline: Chemical

Group : Atmospheric Pollution

TECHNICAL DATA

1	Location of Sampling Station	Near Admin Block Garden
2	Instrument Used for Sampling	RDS, PM _{2.5} Sampler & Gaseous sampler
3	Source of Sampling	Ambient Air
4	Temperature of Sampling Location	30°C
5	Environmental Condition	Max temp. 37°C Min temp. 26°C Clear Sky,
6	Flow Rate of Sampling	0.2 & 1 LPM
7	Time Period for Sampling	24 Hr

Sr..No	PARAMETERS	RESULTS	STANDARD LIMIT	DETECTION LIMIT	TEST METHOD
1.	Respirable Suspended Particulate Matter(PM ₁₀)	91	100.0 µg/m ³	10 µg/m ³	IS:5182(Pt-23)
2.	Sulphur Dioxide (SO ₂)	15	80.0 µg/m ³	2.0 µg/m ³	IS:5182(Pt-2)
3.	Nitrogen Dioxide (NO ₂)	28	80.0 µg/m ³	2.0 µg/m ³	IS:5182(Pt-6)
4.	Fine Particulate Matter(PM _{2.5})	51	60.0 µg/m ³	10 µg/m ³	IS: 5182(Pt-24)
5.	Carbon Monoxide (CO)	1.5	4.0 mg/m ³ (1 hr)	0.5 mg/m ³	IS:5182(P-10)
6.	Nickel (Ni)	BDL	20.0 ng/m ³	15 ng/m ³	IS 5182(Pt-26)
7.	Arsenic (As)	BDL	6.0 ng/m ³	5.0 ng/m ³	SOPN0.ETL/air/2022/08
8.	Lead (Pb)	BDL	1.0 µg/m ³	0.1 µg/m ³	IS 5182(Pt-22)
9.	Benzene (C ₆ H ₆)	BDL	5.0 µg/m ³	0.5 µg/m ³	IS 5182(Pt-11)
10.	Benzo(a)pyrene (BaP)	BDL	1.0 ng/m ³	1.0 ng/m ³	IS 5182(Pt-12)
11.	Ammonia (NH ₃)	BDL	400.0 µg/m ³	20 µg/m ³	IS 5182(Pt-25)
12.	Ozone (O ₃)	28	180.0 µg/m ³ (1 hr)	5.0 µg/m ³	IS:5182 (Pt-9)

BDL: Denotes below detection limit

Note:

1. The test report refers only to tested sample and applicable parameters.
2. This report can neither be used as evidence in the court of law nor can it be used in part or full in any media without prior permission.
3. The sample will be destroyed after thirty days from the date of issue of test report unless otherwise specified.

(Authorized Signatory)

Quality Manager
Environ Tech Laboratories

** End of Report **



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GSTIN : 03BPEPS9693P1ZV, PAN: 03BPEPS9693P



TC-5879



To
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TEHSIL- GARHSHANKAR, DISTRICT-HOSHIARPUR,
PUNJAB

Customer Reference No.	NA	Report No.	ETL/04072024/1517
Sample Code given by Customer	NA	Report Date	04.07.2024
Type of sample	Ambient Air	ULR NO.	TC587924000002601F
Sample Condition	Satisfactory	Sample Reg. No.	ETL/A/29062024/1517
Sampling Location	Factory Boundary Wall- Near Sarkanda Yard	Date of Sampling	27.06.2024 – 28.06.2024
Sample Collected By	Mr. K.K. Mishra & Team	Date of sample receipt	29.06.2024
Sampling Procedure	As per lab SOP	Date of Test Performance	29.06.2024 -04.07.2024

Discipline: Chemical

Group : Atmospheric Pollution

TECHNICAL DATA

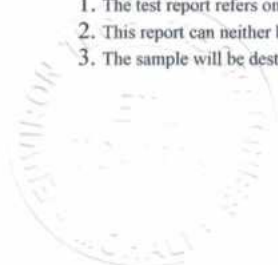
1	Location of Sampling Station	Factory Boundary Wall- Near Sarkanda Yard
2	Instrument Used for Sampling	RDS, PM _{2.5} Sampler & Gaseous sampler
3	Source of Sampling	Ambient Air
4	Temperature of Sampling Location	30 ⁰ C
5	Environmental Condition	Max temp. 37 ⁰ C Min temp. 26 ⁰ C Clear Sky,
6	Flow Rate of Sampling	0.2 & 1 LPM
7	Time Period for Sampling	24 Hr

Sr.No	PARAMETERS	RESULTS	STANDARD LIMIT	DETECTION LIMIT	TEST METHOD
1.	Respirable Suspended Particulate Matter(PM ₁₀)	97	100.0 µg/m ³	10 µg/m ³	IS:5182(Pt-23)
2.	Sulphur Dioxide (SO ₂)	13	80.0 µg/m ³	2.0 µg/m ³	IS:5182(Pt-2)
3.	Nitrogen Dioxide (NO ₂)	26	80.0 µg/m ³	2.0 µg/m ³	IS:5182(Pt-6)
4.	Fine Particulate Matter(PM _{2.5})	54	60.0 µg/m ³	10 µg/m ³	IS: 5182(Pt-24)
5.	Carbon Monoxide (CO)	1.2	4.0 mg/m ³ (1 hr)	0.5 mg/m ³	IS:5182(P-10)
6.	Nickel (Ni)	BDL	20.0 ng/m ³	15 ng/m ³	IS 5182(Pt-26)
7.	Arsenic (As)	BDL	6.0 ng/m ³	5.0 ng/m ³	SOP N0.ETL/air/2022/08
8.	Lead (Pb)	BDL	1.0 µg/m ³	0.1 µg/m ³	IS 5182(Pt-22)
9.	Benzene (C ₆ H ₆)	BDL	5.0 µg/m ³	0.5 µg/m ³	IS 5182(Pt-11)
10.	Benzo(a)pyrene (BaP)	BDL	1.0 ng/m ³	1.0 ng/m ³	IS 5182(Pt-12)
11.	Ammonia (NH ₃)	BDL	400.0 µg/m ³	20 µg/m ³	IS 5182(Pt-25)
12.	Ozone (O ₃)	25	180.0 µg/m ³ (1 hr)	5.0 µg/m ³	IS:5182 (Pt-9)

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Authorized Signatory
Environ Tech Laboratories

Page 1 of 1

** End of Report **



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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TC-5879

TEST REPORT



To
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TEHSIL- GARHSHANKAR, DISTRICT-HOSHIARPUR,
PUNJAB

Customer Reference No.	NA	Report No.	ETL/04072024/1518
Sample Code given by Customer	NA	Report Date	04.07.2024
Type of sample	Ambient Air	ULR NO.	TC587924000002602F
Sample Condition	Satisfactory	Sample Reg. No.	ETL/A/29062024/1518
Sampling Location	Factory Boundary Wall- Near WTP Plant.	Date of Sampling	27.06.2024 – 28.06.2024
Sample Collected By	Mr. K.K. Mishra & Team	Date of sample receipt	29.06.2024
Sampling Procedure	As per lab SOP	Date of Test Performance	29.06.2024 -04.07.2024

Discipline: Chemical

Group : Atmospheric Pollution

TECHNICAL DATA

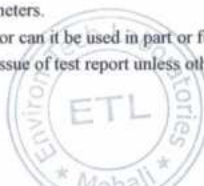
1	Location of Sampling Station	Factory Boundary Wall- Near WTP Plant.
2	Instrument Used for Sampling	RDS, PM _{2.5} Sampler & Gaseous sampler
3	Source of Sampling	Ambient Air
4	Temperature of Sampling Location	30 ⁰ C
5	Environmental Condition	Max temp. 37 ⁰ C Min temp. 26 ⁰ C Clear Sky,
6	Flow Rate of Sampling	0.2 & 1 LPM
7	Time Period for Sampling	24 Hr

Sr.No	PARAMETERS	RESULT S	STANDARD LIMIT	DETECTION LIMIT	TEST METHOD
1.	Respirable Suspended Particulate Matter(PM ₁₀)	88	100.0 µg/m ³	10 µg/m ³	IS:5182(Pt-23)
2.	Sulphur Dioxide (SO ₂)	12	80.0 µg/m ³	2.0 µg/m ³	IS:5182(Pt-2)
3.	Nitrogen Dioxide (NO ₂)	26	80.0 µg/m ³	2.0 µg/m ³	IS:5182(Pt-6)
4.	Fine Particulate Matter(PM _{2.5})	50	60.0 µg/m ³	10 µg/m ³	IS: 5182(Pt-24)
5.	Carbon Monoxide (CO)	1.3	4.0 mg/m ³ (1 hr)	0.5 mg/m ³	IS:5182(P-10)
6.	Nickel (Ni)	BDL	20.0 ng/m ³	15 ng/m ³	IS 5182(Pt-26)
7.	Arsenic (As)	BDL	6.0 ng/m ³	5.0 ng/m ³	SOP N0.ETL/AIR/2022/08
8.	Lead (Pb)	BDL	1.0 µg/m ³	0.1 µg/m ³	IS 5182(Pt-22)
9.	Benzene (C ₆ H ₆)	BDL	5.0 µg/m ³	0.5 µg/m ³	IS 5182(Pt-11)
10.	Benzo(a)pyrene (BaP)	BDL	1.0 ng/m ³	1.0 ng/m ³	IS 5182(Pt-12)
11.	Ammonia (NH ₃)	BDL	400.0 µg/m ³	20 µg/m ³	IS 5182(Pt-25)
12.	Ozone (O ₃)	23	180.0 µg/m ³ (1 hr)	5.0 µg/m ³	IS:5182 (Pt-9)

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** End of Report **

Ramesh Kumar
(Authorized Signatory)
Quality Manager
Environ Tech Laboratories

Testing of Water, Waste Water, Soil, Biological Testing; Monitoring of Ambient Air, Stack Emission,
Work Zone Monitoring, Noise, Ventilation, LUX & Weather Monitoring
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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TC-5879

TEST REPORT



To
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TEHSIL- GARHSHANKAR, DISTRICT-HOSHIARPUR,
PUNJAB

Customer Reference No.	NA	Report No.	ETL/04072024/1519
Sample Code given by Customer	NA	Report Date	04.07.2024
Type of sample	Ambient Air	ULR NO.	TC587924000002603F
Sample Condition	Satisfactory	Sample Reg. No.	ETL/A/29062024/1519
Sampling Location	Factory Gate - Near Petrol Pump	Date of Sampling	27.06.2024 – 28.06.2024
Sample Collected By	Mr. K.K. Mishra & Team	Date of sample receipt	29.06.2024
Sampling Procedure	As per lab SOP	Date of Test Performance	29.06.2024 -04.07.2024

Discipline: Chemical

Group : Atmospheric Pollution

TECHNICAL DATA

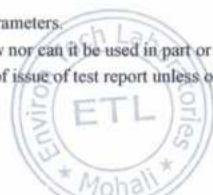
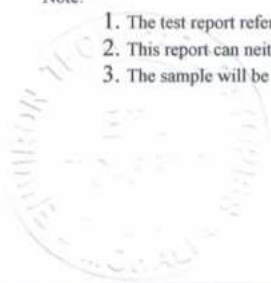
1	Location of Sampling Station	Factory Gate - Near Petrol Pump
2	Instrument Used for Sampling	RDS, PM _{2.5} Sampler & Gaseous sampler
3	Source of Sampling	Ambient Air
4	Temperature of Sampling Location	30°C
5	Environmental Condition	Max temp. 37°C Min temp. 26°C Clear Sky,
6	Flow Rate of Sampling	0.2 & 1 LPM
7	Time Period for Sampling	24 Hr

Sr.No	PARAMETERS	RESULTS	STANDARD LIMIT	DETECTION LIMIT	TEST METHOD
1.	Respirable Suspended Particulate Matter (PM ₁₀)	94	100.0 µg/m ³	10 µg/m ³	IS:5182(Pt-23)
2.	Sulphur Dioxide (SO ₂)	8	80.0 µg/m ³	2.0 µg/m ³	IS:5182(Pt-2)
3.	Nitrogen Dioxide (NO ₂)	25	80.0 µg/m ³	2.0 µg/m ³	IS:5182(Pt-6)
4.	Fine Particulate Matter (PM _{2.5})	53	60.0 µg/m ³	10 µg/m ³	IS: 5182(Pt-24)
5.	Carbon Monoxide (CO)	1.0	4.0 mg/m ³ (1 hr)	0.5 mg/m ³	IS:5182(P-10)
6.	Nickel (Ni)	BDL	20.0 ng/m ³	15 ng/m ³	IS 5182(Pt-26)
7.	Arsenic (As)	BDL	6.0 ng/m ³	5.0 ng/m ³	SOP N0.ETL/air/2022/08
8.	Lead (Pb)	BDL	1.0 µg/m ³	0.1 µg/m ³	IS 5182(Pt-22)
9.	Benzene (C ₆ H ₆)	BDL	5.0 µg/m ³	0.5 µg/m ³	IS 5182(Pt-11)
10.	Benzo(a)pyrene (BaP)	BDL	1.0 ng/m ³	1.0 ng/m ³	IS 5182(Pt-12)
11.	Ammonia (NH ₃)	BDL	400.0 µg/m ³	20 µg/m ³	IS 5182(Pt-25)
12.	Ozone (O ₃)	29	180.0 µg/m ³ (1 hr)	5.0 µg/m ³	IS:5182 (Pt-9)

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(Authorized Signatory)
Quality Manager
Environ Tech Laboratories

Page 1 of 1

** End of Report **

Testing of Water, Waste Water, Soil, Biological Testing; Monitoring of Ambient Air, Stack Emission,
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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TC-5879



TEST REPORT

To
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TEHSIL- GARHSHANKAR, DISTRICT-HOSHIARPUR,
PUNJAB

Customer Reference No.	NA	Report No.	ETL/04072024/1520
Sample Code given by Customer	NA	Report Date	04.07.2024
Type of sample	Ambient Air	ULR NO.	TC587924000002604F
Sample Condition	Satisfactory	Sample Reg. No.	ETL/A/29062024/1520
Sampling Location	Factory Boundary Wall- Near Guest House	Date of Sampling	28.06.2024 – 29.06.2024
Sample Collected By	Mr. K.K. Mishra & Team	Date of sample receipt	29.06.2024
Sampling Procedure	As per lab SOP	Date of Test Performance	29.06.2024 -04.07.2024

Discipline: Chemical

Group : Atmospheric Pollution

TECHNICAL DATA

1	Location of Sampling Station	Factory Boundary Wall- Near Guest House
2	Instrument Used for Sampling	RDS, PM _{2.5} Sampler & Gaseous sampler
3	Source of Sampling	Ambient Air
4	Temperature of Sampling Location	30°C
5	Environmental Condition	Max temp. 37°C Min temp. 26°C Clear Sky,
6	Flow Rate of Sampling	0.2 & 1 LPM
7	Time Period for Sampling	24 Hr

Sr..No	PARAMETERS	RESULTS	STANDARD LIMIT	DETECTION LIMIT	TEST METHOD
1.	Respirable Suspended Particulate Matter(PM ₁₀)	79	100.0 µg/m ³	10 µg/m ³	IS:5182(Pt-23)
2.	Sulphur Dioxide (SO ₂)	12	80.0 µg/m ³	2.0 µg/m ³	IS:5182(Pt-2)
3.	Nitrogen Dioxide (NO ₂)	24	80.0 µg/m ³	2.0 µg/m ³	IS:5182(Pt-6)
4.	Fine Particulate Matter(PM _{2.5})	48	60.0 µg/m ³	10 µg/m ³	IS: 5182(Pt-24)
5.	Carbon Monoxide (CO)	0.8	4.0 mg/m ³ (1 hr)	0.5 mg/m ³	IS:5182(P-10)
6.	Nickel (Ni)	BDL	20.0 ng/m ³	15 ng/m ³	IS 5182(Pt-26)
7.	Arsenic (As)	BDL	6.0 ng/m ³	5.0 ng/m ³	SOP N0.ETL/air/2022/08
8.	Lead (Pb)	BDL	1.0 µg/m ³	0.1 µg/m ³	IS 5182(Pt-22)
9.	Benzene (C ₆ H ₆)	BDL	5.0 µg/m ³	0.5 µg/m ³	IS 5182(Pt-11)
10.	Benzo(a)pyrene (BaP)	BDL	1.0 ng/m ³	1.0 ng/m ³	IS 5182(Pt-12)
11.	Ammonia (NH ₃)	BDL	400.0 µg/m ³	20 µg/m ³	IS 5182(Pt-25)
12.	Ozone (O ₃)	24	180.0 µg/m ³ (1 hr)	5.0 µg/m ³	IS:5182 (Pt-9)

BDL: Denotes below detection limit

Note:

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** End of Report **

Rameshwar Kaur
(Authorized Signatory)

Quality Manager
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Environ Tech Laboratories

Testing of Water, Waste Water, Soil, Biological Testing; Monitoring of Ambient Air, Stack Emission,
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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



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TEST REPORT

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TEHSIL- GARHSHANKAR, DISTRICT-HOSHIARPUR,
PUNJAB

Customer Reference No.	NA	Report No.	ETL/06072024/1543
Sample Code given by Customer	NA	Report Date	06.07.2024
Type of sample	Drinking Water	ULR No.	TC587924000002624F
Sample Condition	Satisfactory	Sample Reg No.	ETL/W/29062024/1543
Quantity	5 lt	Date of Sampling	28.06.2024
Sampling Location	From Colony Water Cooler	Date of sample receipt	29.06.2024
Sample Drawn By	Mr.K.K.Mishra (Field Officer)	Date of Test Performance	29.06.2024-06.07.2024
Sampling Procedure	As per SOP	Packing Mode	Plastic cane

Group: Water

Discipline: Chemical

Sample Description: Clear & colorless liquid

PART- A

S.No.	Parameters	Results	Limits of IS: 10500 – 2012		Test method
			Requirement (Acceptable Limit)	Permissible limit in absence of alternate source	
1.	Colour, Hazen unit, max	BDL (DL=5)	5	15	IS: 3025, (Part-4)
2.	Odour	Agreeable	Agreeable	Agreeable	APHA 23rd Edition:-2150 B
3.	pH @ 25°C	7.72	6.5 – 8.5	No relaxation	IS: 3025, (Part-11).
4.	Taste	Agreeable	Agreeable	Agreeable	IS: 3025, (Part-8).
5.	Turbidity, NTU, Max	BDL (DL=1)	1	5	IS: 3025, (Part-10)
6.	Total Dissolved Solids, mg/l, Max	420	500	2000	IS:3025, (Part-16).
7.	Ammonia(as total ammonia-N)	BDL (DL=0.5)	0.5	No relaxation	IS:3025, (Part-34).
8.	Calcium (as CaCO ₃), mg/l, Max	56.1	75	200	IS: 3025, (Part-40),
9.	Chloramines	BDL (DL=0.1)	04	No relaxation	APHA 23 rd Edition-4500-G, DPD Colorimetric Method
10.	Chloride (as Cl), mg/l, Max	44	250	1000	IS:3025, (Part-32)

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Testing of Water, Waste Water, Soil, Biological Testing; Monitoring of Ambient Air, Stack Emission,
Work Zone Monitoring, Noise, Ventilation, LUX & Weather Monitoring
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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TC-5879



Report No: ETL/06072024/1543

Sample Reg No.: ETL/W/29062024/1543

S.No.	Parameters	Results	Limits of IS: 10500 – 2012		Test method
			Requirement (Acceptable Limit)	Permissible limit in absence of alternate source	
11	Fluoride (as F), mg/l, Max	0.22	1.0	1.5	IS: 3025(Part –60)
12	Free Residual Chlorine mg/l, Min	BDL (DL=0.1)	0.2	1	IS: 3025,(Part-26)
13	Magnesium (as CaCO ₃), mg/l, Max	29.1	30	100	IS:3025, (Part-46)
14	Boron as B, mg/l	BDL (DL=0.1)	0.5	2.4	IS: 3025,(Part-57)
15	Cyanide(as CN) , mg/l,	BDL (DL=0.01)	0.05	No relaxation	APHA-23rd Edition -4500 E, 2017
16	Nitrate (as NO ₃), mg/l, Max	7.1	45	No relaxation	IS: 3025, (Part-34)
17	Phenolic Compounds(as C ₆ H ₅ OH) mg/l	BDL (DL=0.001)	0.001	0.002	APHA 23 rd Edition-Chloroform Extraction Method , 5530C, Direct Photometric Method 5530D
18	Sulphate (as SO ₄), mg/l, Max	6.5	200	400	IS:3025, (Part-24)sec:1
19	Sulphide	BDL (DL=0.5)	0.05	No relaxation	IS:3025, (Part-29)
20	Total Alkalinity (as CaCO ₃),mg/l ,Max	253	200	600	IS:3025, (Part-23)
21	Total Hardness(as CaCO ₃),mg/l, Max	260	200	600	IS:3025, (Part-21)
22	Sodium (as Na), mg/l, Max	28	-	-	IS: 3025(Part –45)
23	Potassium (as K), mg/l, Max	0.8	-	-	IS: 3025(Part –45)

NOTE: BDL=Below Detection Limit DL=Detection Limit ----Denotes limit not specified

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2. This report can neither be used as evidence in the court of law nor can it be used in part or full in any media without prior permission
3. The sample will be destroyed after thirty days from the date of issue of test report unless otherwise specified.

(Authorized Signatory)

AJEET SINGH SAINI
Technical Manager
Environ Tech Laboratories



Testing of Water, Waste Water, Soil, Biological Testing; Monitoring of Ambient Air, Stack Emission,
Work Zone Monitoring, Noise, Ventilation, LUX & Weather Monitoring
Email : environtechlab72@yahoo.com | Website : www.environtechlab.com

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Environ Tech Laboratories

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Plot No. C-101, Industrial Area, Phase -VII, Sector-73, Mohali, Punjab- 160059
Mob. 9464000081, 9417220081, 9417210081, (O) 94630-00081, 0172-4630081
GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TC-5879



TEST REPORT

To

M/s KUANTUM PAPERS LTD, SAILA KHURD

TEHSIL- GARHSHANKAR DISTRICT:HOSHIARPUR,PUNJAB

Customer Reference No.	NA	Report No.	ETL/06072024/1543
Sample Code given by Customer	NA	Report Date	06.07.2024
Type of sample	Drinking Water	ULR No.	TC587924000002624F
Sample Condition	Satisfactory	Sample Reg No.	ETL/W/29062024/1543
Quantity	5 lt	Date of Sampling	28.06.2024
Sampling Location	From Colony Water Cooler	Date of sample receipt	29.06.2024
Sample Drawn By	Mr.K.K.Mishra (Field Officer)	Date of Test Performance	29.06.2024-06.07.2024
Sampling Procedure	As per SOP	Packing Mode	Plastic cane

Group: Residues in water

Discipline: Chemical

Sample Description:Clear & colorless liquid

PART- B

S.No.	Parameters	Results	Limits of IS: 10500 – 2012		Test method
			Requirement (Acceptable Limit)	Permissible limit in absence of alternate source	
1.	Manganese (as Mn) mg/l	BDL (DL=0.02)	0.1	0.3	APHA 23rd Edition 2017-3111B
2.	Copper (as Cu) mg/l	BDL (DL=0.02)	0.05	1.5	APHA 23rd Edition 2017-3111 B
3.	Iron (as Fe), mg/l Max	0.14	1.0	No relaxation	APHA 23rd Edition 3111B
4.	Selenium (as Se), mg/l	BDL (DL=0.001)	0.01	No relaxation	APHA 23rd Edition 2017-3114B
5.	Zinc (as Zn) mg/l	0.08	5	15	APHA 23rd Edition 2017-3111B
6.	Cadmium (as Cd) mg/l	BDL (DL=0.01)	0.003	No relaxation	APHA 23rd Edition 2017-3111B
7.	Lead (as Pb) mg/l	BDL (DL=0.01)	0.01	No relaxation	APHA 23rd Edition 2017-3111B
8.	Mercury (as Hg) mg/l	BDL (DL=0.001)	0.001	No relaxation	APHA 23rd Edition 2017-3114B
9.	Nickel (as Ni.), mg/l	BDL (DL=0.02)	0.02	No relaxation	APHA 23rd Edition 2017-3111B
10.	Total Arsenic (as As) mg/l	BDL (DL=0.005)	0.01	No relaxation	APHA 23rd Edition 2017-3114B
11.	Total Chromium (as Cr) mg/l	BDL (DL=0.04)	0.05	No relaxation	APHA 23rd Edition 2017-3113B
12.	Silver (as Ag) mg/l	BDL (DL=0.05)	0.1	No relaxation	Annex J of IS 13428 APHA 23rd Edition 3114B

NOTE: BDL=Below Detection Limit

DL=Detection Limit

(Authorized Signatory)
AJEET SINGH SAINI
Technical Manager
Environ Tech Laboratories



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Work Zone Monitoring, Noise, Ventilation, LUX & Weather Monitoring
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Environ Tech Laboratories

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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TC-5879



TEST REPORT

To

M/s KUANTUM PAPERS LTD, SAILA KHURD

TEHSIL- GARHSHANKAR, DISTRICT:HOSHIARPUR,PUNJAB

Customer Reference No.	NA	Report No.	ETL/06072024/1543
Sample Code given by Customer	NA	Report Date	06.07.2024
Type of sample	Drinking Water	ULR No.	TC587924000002624F
Sample Condition	Satisfactory	Sample Reg No.	ETL/W/29062024/1543
Quantity	5 lt	Date of Sampling	28.06.2024
Sampling Location	From Colony Water Cooler	Date of sample receipt	29.06.2024
Sample Drawn By	Mr.K.K.Mishra (Field Officer)	Date of Test Performance	29.06.2024-06.07.2024
Sampling Procedure	As per SOP	Packing Mode	Plastic cane

Discipline: Chemical

Group: Residues in Water

Sample Description:Clear & colorless liquid

PART-C

S. NO	PARAMETERS	Results	Detection Limit (µg/l)	Limit (µg/l)	Test method
1	Alachlor	BDL	0.01	20	SOP NO. ETL/Pest/2022/01
2	Atrazine	BDL	0.01	2	SOP NO. ETL/Pest/2022/02
3	Aldrin/ Dieldrin	BDL	0.01	0.03	SOP NO. ETL/Pest/2022/01
4	Alpha HCH	BDL	0.01	0.01	SOP NO. ETL/Pest/2022/01
5	Beta HCH	BDL	0.01	0.04	SOP NO. ETL/Pest/2022/01
6	Butachlor	BDL	0.01	125	SOP NO. ETL/Pest/2022/01
7	Chlorpyrifos	BDL	0.01	30	SOP NO. ETL/Pest/2022/01
8	Delta HCH	BDL	0.01	0.04	SOP NO. ETL/Pest/2022/01
9	2,4- Dichlorophenoxyacetic acid	BDL	20	30	SOP NO. ETL/Pest/2022/01
10	DDT(o, p and p, p-Isomers of DDT,DDE and DDD)	BDL	0.2	1	SOP NO. ETL/Pest/2022/01
11	Endosulfan (Alpha, Beta, and sulphate)	BDL	0.2	0.4	SOP NO. ETL/Pest/2022/01
12	Ethion	BDL	2.0	3	SOP NO. ETL/Pest/2022/01
13	Gamma -HCH (Lindane)	BDL	0.01	2	SOP NO. ETL/Pest/2022/01
14	Isoproturon	BDL	5.0	9	SOP NO. ETL/Pest/2022/01
15	Malathion	BDL	100	190	SOP NO. ETL/Pest/2022/01
16	Methyl parathion	BDL	0.2	0.3	SOP NO. ETL/Pest/2022/01
17	Monocrotophos	BDL	0.5	1	SOP NO. ETL/Pest/2022/22
18	Phorate	BDL	1.0	2	SOP NO. ETL/Pest/2022/01

Note:

BDL=below Detection Limit

DL=Detection Limit

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(Authorized Signatory)
AJEET SINGH SAINI
Page 4 of 5
Technical Manager
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Mob. 9464000081, 9417220081, 9417210081, (O) 94630-00081, 0172-4630081
GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TEST REPORT

To
M/s KANTUM PAPERS LTD, SAILA KHURD
TEHSIL- GARHSHANKAR, DISTRICT: HOSHIARPUR,
PUNJAB

Customer Reference No.	NA	Report No.	ETL/06072024/1543
Sample Code given by Customer	NA	Report Date	06.07.2024
Type of sample	Drinking Water	ULR No.	TC587924000002624F
Sample Condition	Satisfactory	Sample Reg No.	ETL/W/29062024/1543
Quantity	250 ml	Date of Sampling	28.06.2024
Sampling Location	From Colony Water Cooler	Date of sample receipt	29.06.2024
Sample Drawn By	Mr.K.K.Mishra (Field Officer)	Date of Test Performance	01.07.2024-02.07.2024
Sampling Procedure	As per SOP	Packing Mode	Glass Bottle

Discipline: Biological	Group: Water
Sample Description: Clear & colorless liquid	

PART - D Biological

S. NO.	PARAMETERS	TEST RESULTS	Requirement as per IS 10500:2012 (Amendment No.04 NOV 2021)	TEST METHOD
1.	E.coli/100ml	NOT DETECTED	Shall not be detectable in any 100ml Sample	IS 15185:2016
2.	Coliform /100ml	NOT DETECTED	Shall not be detectable in any 100ml Sample	IS 15185:2016

Note:

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** End of Report **

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Technical Manager
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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TEST REPORT

To

M/s KUANTUM PAPERS LTD, SAILA KHURD
TEHSIL- GARHSHANKAR, DISTRICT: HOSHIARPUR,
PUNJAB

Customer Reference No.	NA	Report No.	ETL/06072024/1543
Sample Code given by Customer	NA	Report Date	06.07.2024
Type of sample	Drinking Water	ULR No.	NA
Sample Condition	Satisfactory	Sample Reg No.	ETL/W/29062024/1543
Quantity	5 lt	Date of Sampling	28.06.2024
Sampling Location	From Colony Water Cooler	Date of sample receipt	29.06.2024
Sample Drawn By	Mr.K.K.Mishra (Field Officer)	Date of Test Performance	29.06.2024-06.07.2024
Sampling Procedure	As per SOP	Packing Mode	Plastic cane

Discipline: Chemical	Group: Water
Sample Description: Clear & colorless liquid	

S. No.	Parameters	Results	Limits of IS: 10500 – 2012		Test method
			Requirement (Acceptable Limit)	Permissible limit in absence of alternate source	
1.	Anionic Detergents (as MBAS) mg/l, Max	ND	0.2	1.0	Annex K of IS 13428
2.	Barium (as Ba), mg/l, Max	ND	0.7	No relaxation	Annex F of IS 13428
3.	Mineral oil, mg/l, Max	ND	1.0	No relaxation	Clause 6 of IS 3025, (Part 39) Infrared partition Method
4.	Molybdenum (as Mo), mg/L	ND	0.07	No relaxation	IS 3025 (Part-2)
5.	Polychlorinated biphenyl, mg/L	ND	0.0005	No relaxation	ASTM 5175
6.	Polynuclear aromatic hydrocarbons (as PAH) mg/L	ND	0.0001	No relaxation	APHA 6440 or APHA 6630
7.	Bromoform, mg/l, Max	ND	0.1	No relaxation	APHA 6232
8.	Dibromochloromethane, mg/l, Max	ND	0.1	No relaxation	APHA 6232
9.	Bromodichloromethane, mg/l, Max	ND	0.06	No relaxation	APHA 6232
10.	Chloroform mg/l, Max	ND	0.2	No relaxation	APHA 6232

NOTE

ND = Not Detected

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** End of Report **

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AJEET KUMAR
Page-1 of 1
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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TC-5879



TEST REPORT

To

M/s KUANTUM PAPERS LTD, SAILA KHURD

TEHSIL- GARHSHANKAR, DISTRICT: HOSHIARPUR,
PUNJAB

Customer Reference No.	NA	Report No.	ETL/06072024/1544
Sample Code given by Customer	NA	Report Date	06.07.2024
Type of sample	Drinking Water	ULR No.	TC587924000002625F
Sample Condition	Satisfactory	Sample Reg No.	ETL/W/29062024/1544
Quantity	5 lt	Date of Sampling	28.06.2024
Sampling Location	Canteen (KPL)	Date of sample receipt	29.06.2024
Sample Drawn By	Mr.K.K.Mishra (Field Officer)	Date of Test Performance	29.06.2024-06.07.2024
Sampling Procedure	As per SOP	Packing Mode	Plastic cane

Discipline: Chemical

Group: Water

Sample Description : Clear & colorless liquid

PART- A

S.No.	Parameters	Results	Limits of IS: 10500 – 2012		Test method
			Requirement (Acceptable Limit)	Permissible limit in absence of alternate source	
1.	Colour, Hazen unit, max	BDL (DL=5)	5	15	IS: 3025, (Part-4)
2.	Odour	Agreeable	Agreeable	Agreeable	APHA 23rd Edition:-2150 B
3.	pH @ 25°C	7.78	6.5 – 8.5	No relaxation	IS: 3025, (Part-11).
4.	Taste	Agreeable	Agreeable	Agreeable	IS: 3025, (Part-8).
5.	Turbidity, NTU, Max	BDL (DL=1)	1	5	IS: 3025, (Part-10)
6.	Total Dissolved Solids, mg/l, Max	410	500	2000	IS:3025, (Part-16).
7.	Ammonia(as total ammonia-N)	BDL (DL=0.5)	0.5	No relaxation	IS:3025, (Part-34).
8.	Calcium (as CaCO ₃), mg/l, Max	36	75	200	IS: 3025, (Part-40),
9.	Chloramines	BDL (DL=0.1)	04	No relaxation	APHA 23 rd Edition-4500-G, DPD Colorimetric Method
10.	Chloride (as Cl), mg/l, Max	44	250	1000	IS:3025, (Part-32)

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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TC-5879



Report No : ETL/06072024/1544

Sample Reg No.:ETL/W/29062024/1544

S.No.	Parameters	Results	Limits of IS: 10500 – 2012		Test method
			Requirement (Acceptable Limit)	Permissible limit in absence of alternate source	
11	Fluoride (as F), mg/l, Max	0.25	1.0	1.5	IS: 3025(Part –60)
12	Free Residual Chlorine mg/l, Min	BDL (DL=0.1)	0.2	1	IS: 3025,(Part-26)
13	Magnesium (as CaCO ₃), mg/l, Max	24.3	30	100	IS:3025, (Part-46)
14	Boron as B, mg/l	BDL (DL=0.1)	0.5	2.4	IS: 3025,(Part-57)
15	Cyanide(as CN) , mg/l,	BDL (DL=0.01)	0.05	No relaxation	APHA-23rd Edition -4500 E, 2017
16	Nitrate (as NO ₃), mg/l, Max	5.5	45	No relaxation	IS: 3025, (Part-34)
17	Phenolic Compounds(as C ₆ H ₅ OH) mg/l	BDL (DL=0.001)	0.001	0.002	APHA 23 rd Edition-Chloroform Extraction Method , 5530C, Direct Photometric Method 5530D
18	Sulphate (as SO ₄), mg/l, Max	5.8	200	400	IS:3025, (Part-24)sec:1
19	Sulphide	BDL (DL=0.5)	0.05	No relaxation	IS:3025, (Part-29)
20	Total Alkalinity (as CaCO ₃),mg/l ,Max	242	200	600	IS:3025, (Part-23)
21	Total Hardness(as CaCO ₃),mg/l, Max	190	200	600	IS:3025, (Part-21)
22	Sodium (as Na), mg/l, Max	54	-	-	IS: 3025(Part –45)
23	Potassium (as K), mg/l, Max	1.2	-	-	IS: 3025(Part –45)

NOTE: BDL=Below Detection Limit DL=Detection Limit ----Denotes limit not specified

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Page 2 of 3
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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TC-5879



TEST REPORT

To

M/s KUANTUM PAPERS LTD, SAILA KHURD

TEHSIL- GARHSHANKAR, DISTRICT: HOSHIARPUR,
PUNJAB

Customer Reference No.	NA	Report No.	ETL/06072024/1544
Sample Code given by Customer	NA	Report Date	06.07.2024
Type of sample	Drinking Water	ULR No.	TC587924000002625F
Sample Condition	Satisfactory	Sample Reg No.	ETL/W/29062024/1544
Quantity	5 lt	Date of Sampling	28.06.2024
Sampling Location	Canteen (KPL)	Date of sample receipt	29.06.2024
Sample Drawn By	Mr.K.K.Mishra (Field Officer)	Date of Test Performance	29.06.2024-06.07.2024
Sampling Procedure	As per SOP	Packing Mode	Plastic cane

Discipline: Chemical

Group: Residues in water

Sample Description: Clear & colorless liquid

PART- B

S.No.	Parameters	Results	Limits of IS: 10500 – 2012		Test method
			Requirement (Acceptable Limit)	Permissible limit in absence of alternate source	
1.	Manganese (as Mn) mg/l	BDL (DL=0.02)	0.1	0.3	APHA 23rd Edition 2017-3111B
2.	Copper (as Cu) mg/l	BDL (DL=0.02)	0.05	1.5	APHA 23rd Edition 2017-3111 B
3.	Iron (as Fe), mg/l Max	0.15	1.0	No relaxation	APHA 23 rd Edition 3111B
4.	Selenium (as Se), mg/l	BDL (DL=0.001)	0.01	No relaxation	APHA 23rd Edition 2017-3114B
5.	Zinc (as Zn) mg/l	0.07	5	15	APHA 23rd Edition 2017-3111B
6.	Cadmium (as Cd) mg/l	BDL (DL=0.01)	0.003	No relaxation	APHA 23rd Edition 2017-3111B
7.	Lead (as Pb) mg/l	BDL (DL=0.01)	0.01	No relaxation	APHA 23rd Edition 2017-3111B
8.	Mercury (as Hg) mg/l	BDL (DL=0.001)	0.001	No relaxation	APHA 23rd Edition 2017-3114B
9.	Nickel (as Ni.), mg/l	BDL (DL=0.02)	0.02	No relaxation	APHA 23rd Edition 2017-3111B
10.	Total Arsenic (as As) mg/l	BDL (DL=0.005)	0.01	No relaxation	APHA 23rd Edition 2017-3114B
11.	Total Chromium (as Cr) mg/l	BDL (DL=0.04)	0.05	No relaxation	APHA 23rd Edition 2017-3113B
12.	Silver (as Ag) mg/l	BDL (DL=0.05)	0.1	No relaxation	Annex J of IS 13428 APHA 23 rd Edition 3114B

NOTE: BDL=Below Detection Limit

DL=Detection Limit

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Technical Page 3 of 5
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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TC-5879



TEST REPORT

To

M/s KUANTUM PAPERS LTD, SAILA KHURD

TEHSIL- GARHSHANKAR, DISTRICT: HOSHIARPUR,
PUNJAB

Customer Reference No.	NA	Report No.	ETL/06072024/1544
Sample Code given by Customer	NA	Report Date	06.07.2024
Type of sample	Drinking Water	ULR No.	TC587924000002625F
Sample Condition	Satisfactory	Sample Reg No.	ETL/W/29062024/1544
Quantity	5 lt	Date of Sampling	28.06.2024
Sampling Location	Canteen (KPL)	Date of sample receipt	29.06.2024
Sample Drawn By	Mr.K.K.Mishra (Field Officer)	Date of Test Performance	29.06.2024-06.07.2024
Sampling Procedure	As per SOP	Packing Mode	Plastic cane

Discipline: Chemical

Group: Residues in Water

Sample Description: Clear & colorless liquid

PART-C

S. NO	PARAMETERS	Results	Detection Limit (µg/l)	Limit (µg/l)	Test method
1	Alachlor	BDL	0.01	20	SOP NO. ETL/Pest/2022/01
2	Atrazine	BDL	0.01	2	SOP NO. ETL/Pest/2022/02
3	Aldrin/ Dieldrin	BDL	0.01	0.03	SOP NO. ETL/Pest/2022/01
4	Alpha HCH	BDL	0.01	0.01	SOP NO. ETL/Pest/2022/01
5	Beta HCH	BDL	0.01	0.04	SOP NO. ETL/Pest/2022/01
6	Butachlor	BDL	0.01	125	SOP NO. ETL/Pest/2022/01
7	Chlorpyrifos	BDL	0.01	30	SOP NO. ETL/Pest/2022/01
8	Delta HCH	BDL	0.01	0.04	SOP NO. ETL/Pest/2022/01
9	2,4- Dichlorophenoxyacetic acid	BDL	20	30	SOP NO. ETL/Pest/2022/01
10	DDT(o, p and p, p-Isomers of DDT, DDE and DDD)	BDL	0.2	1	SOP NO. ETL/Pest/2022/01
11	Endosulfan (Alpha, Beta, and sulphate)	BDL	0.2	0.4	SOP NO. ETL/Pest/2022/01
12	Ethion	BDL	2.0	3	SOP NO. ETL/Pest/2022/01
13	Gamma -HCH (Lindane)	BDL	0.01	2	SOP NO. ETL/Pest/2022/01
14	Isoproturon	BDL	5.0	9	SOP NO. ETL/Pest/2022/01
15	Malathion	BDL	100	190	SOP NO. ETL/Pest/2022/01
16	Methyl parathion	BDL	0.2	0.3	SOP NO. ETL/Pest/2022/01
17	Monocrotophos	BDL	0.5	1	SOP NO. ETL/Pest/2022/22
18	Phorate	BDL	1.0	2	SOP NO. ETL/Pest/2022/01

Note:

BDL=below Detection Limit

DL=Detection Limit

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AJEET SINGH SAINI
Page 4 of 5
Technical Manager
Environ Tech Laboratories



Environ Tech Laboratories

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Plot No. C-101, Industrial Area, Phase -VII, Sector-73, Mohali, Punjab- 160059
Mob. 9464000081, 9417220081, 9417210081, (O) 94630-00081, 0172-4630081
GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TC-5879



TEST REPORT

To
M/s KUANTUM PAPERS LTD, SAILA KHURD
TEHSIL- GARHSHANKAR, DISTRICT: HOSHIARPUR,
PUNJAB

Customer Reference No.	NA	Report No.	ETL/06072024/1544
Sample Code given by Customer	NA	Report Date	06.07.2024
Type of sample	Drinking Water	ULR No.	TC587924000002625F
Sample Condition	Satisfactory	Sample Reg No.	ETL/W/29062024/1544
Quantity	250 ml	Date of Sampling	28.06.2024
Sampling Location	Canteen (KPL)	Date of sample receipt	29.06.2024
Sample Drawn By	Mr.K.K.Mishra (Field Officer)	Date of Test Performance	01.07.2024-02.07.2024
Sampling Procedure	As per SOP	Packing Mode	Glass Bottle

Discipline: Biological

Group: Water

Sample Description: Clear & colorless liquid

PART - D Biological

S. NO.	PARAMETERS	TEST RESULTS	Requirement as per IS 10500:2012 (Amendment No.04 NOV 2021)	TEST METHOD
1.	E.coli/100ml	NOT DETECTED	Shall not be detectable in any 100ml Sample	IS 15185:2016
2.	Coliform /100ml	NOT DETECTED	Shall not be detectable in any 100ml Sample	IS 15185:2016

Note:

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3. The sample will be destroyed after thirty days from the date of issue of test report unless otherwise specified.

(Authorized Signatory)

AJEET SACHSANI
Technical Manager
Environ Tech Laboratories

** End of Report **



Environ Tech Laboratories

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Plot No. C-101, Industrial Area, Phase -VII, Sector-73, Mohali, Punjab- 160059
Mob. 9464000081, 9417220081, 9417210081, (O) 94630-00081, 0172-4630081
GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TEST REPORT

To
M/s KUANTUM PAPERS LTD, SAILA KHURD
TEHSIL- GARHSHANKAR, DISTRICT: HOSHIARPUR,
PUNJAB

Customer Reference No.	NA	Report No.	ETL/06072024/1544
Sample Code given by Customer	NA	Report Date	06.07.2024
Type of sample	Drinking Water	ULR No.	NA
Sample Condition	Satisfactory	Sample Reg No.	ETL/W/29062024/1544
Quantity	5 lt	Date of Sampling	28.06.2024
Sampling Location	Canteen (KPL)	Date of sample receipt	29.06.2024
Sample Drawn By	Mr.K.K.Mishra (Field Officer)	Date of Test Performance	29.06.2024-06.07.2024
Sampling Procedure	As per SOP	Packing Mode	Plastic cane

Discipline: Chemical

Group: Water

Sample Description: Clear & colorless liquid

S. No.	Parameters	Results	Limits of IS: 10500 – 2012		Test method
			Requirement (Acceptable Limit)	Permissible limit in absence of alternate source	
1.	Anionic Detergents(as MBAS) mg/l, Max	ND	0.2	1.0	Annex K of IS 13428
2.	Barium (as Ba), mg/l, Max	ND	0.7	No relaxation	Annex F of IS 13428
3.	Mineral oil, mg/l, Max	ND	1.0	No relaxation	Clause 6 of IS 3025, (Part 39) Infrared partition Method
4.	Molybdenum (as Mo), mg/L	ND	0.07	No relaxation	IS 3025 (Part-2)
5.	Polychlorinated biphenyl, mg/L	ND	0.0005	No relaxation	ASTM 5175
6.	Polynuclear aromatic hydrocarbons (as PAH) mg/L	ND	0.0001	No relaxation	APHA 6440 or APHA 6630
7.	Bromoform, mg/l, Max	ND	0.1	No relaxation	APHA 6232
8.	Dibromochloromethane, mg/l, Max	ND	0.1	No relaxation	APHA 6232
9.	Bromodichloromethane, mg/l, Max	ND	0.06	No relaxation	APHA 6232
10.	Chloroform mg/l, Max	ND	0.2	No relaxation	APHA 6232

NOTE

ND =Not Detected

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** End of Report**

Authorized Signatory)

AJEET SINGH SAINI
Page 1 of 1
Technical Manager
Environ Tech Laboratories



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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TC-5879



TEST REPORT

To

M/s KUANTUM PAPERS LTD, SAILA KHURD

TEHSIL- GARHSHANKAR, DISTRICT: HOSHIARPUR,
PUNJAB

Customer Reference No.	NA	Report No.	ETL/06072024/1545
Sample Code given by Customer	NA	Report Date	06.07.2024
Type of sample	Drinking Water	ULR No.	TC587924000002626F
Sample Condition	Satisfactory	Sample Reg No.	ETL/W/29062024/1545
Quantity	5 lt	Date of Sampling	28.06.2024
Sampling Location	Water Reservoir Tank	Date of sample receipt	29.06.2024
Sample Drawn By	Mr.K.K.Mishra (Field Officer)	Date of Test Performance	29.06.2024-06.07.2024
Sampling Procedure	As per SOP	Packing Mode	Plastic cane

Discipline: Chemical

Group: Water

Sample Description: Clear & colorless liquid

PART- A

S.No.	Parameters	Results	Limits of IS: 10500 – 2012		Test method
			Requirement (Acceptable Limit)	Permissible limit in absence of alternate source	
1.	Colour, Hazen unit, max	BDL (DL=5)	5	15	IS: 3025, (Part-4)
2.	Odour	Agreeable	Agreeable	Agreeable	APHA 23rd Edition:-2150 B
3.	pH @ 25°C	7.88	6.5 – 8.5	No relaxation	IS: 3025, (Part-11).
4.	Taste	Agreeable	Agreeable	Agreeable	IS: 3025, (Part-8).
5.	Turbidity, NTU, Max	BDL (DL=1)	1	5	IS: 3025, (Part-10)
6.	Total Dissolved Solids, mg/l, Max	450	500	2000	IS:3025, (Part-16).
7.	Ammonia(as total ammonia-N)	BDL (DL=0.5)	0.5	No relaxation	IS:3025, (Part-34).
8.	Calcium (as CaCO ₃), mg/l, Max	64.1	75	200	IS: 3025, (Part-40),
9.	Chloramines	BDL (DL=0.1)	04	No relaxation	APHA 23 rd Edition-4500-G, DPD Colorimetric Method
10.	Chloride (as Cl), mg/l, Max	62.6	250	1000	IS:3025, (Part-32)

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Testing of Water, Waste Water, Soil, Biological Testing; Monitoring of Ambient Air, Stack Emission,
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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TC-5879



Report No : ETL/06072024/1545

Sample Reg No.: ETL/W/29062024/1545

S.No.	Parameters	Results	Limits of IS: 10500 – 2012		Test method
			Requirement (Acceptable Limit)	Permissible limit in absence of alternate source	
11	Fluoride (as F), mg/l, Max	0.7	1.0	1.5	IS: 3025(Part –60)
12	Free Residual Chlorine mg/l, Min	BDL (DL=0.1)	0.2	1	IS: 3025,(Part-26)
13	Magnesium (as CaCO ₃), mg/l, Max	9.7	30	100	IS:3025, (Part-46)
14	Boron as B, mg/l	BDL (DL=0.1)	0.5	2.4	IS: 3025,(Part-57)
15	Cyanide(as CN) , mg/l,	BDL (DL=0.01)	0.05	No relaxation	APHA-23rd Edition -4500 E, 2017
16	Nitrate (as NO ₃), mg/l, Max	6.6	45	No relaxation	IS: 3025, (Part-34)
17	Phenolic Compounds(as C ₆ H ₅ OH) mg/l	BDL (DL=0.001)	0.001	0.002	APHA 23 rd Edition-Chloroform Extraction Method , 5530C, Direct Photometric Method 5530D
18	Sulphate (as SO ₄), mg/l, Max	18.8	200	400	IS:3025, (Part-24)sec:1
19	Sulphide	BDL (DL=0.5)	0.05	No relaxation	IS:3025, (Part-29)
20	Total Alkalinity (as CaCO ₃),mg/l ,Max	264	200	600	IS:3025, (Part-23)
21	Total Hardness(as CaCO ₃),mg/l, Max	200	200	600	IS:3025, (Part-21)
22	Sodium (as Na), mg/l, Max	78	-	-	IS: 3025(Part –45)
23	Potassium (as K), mg/l, Max	2.8	-	-	IS: 3025(Part –45)

NOTE: BDL=Below Detection Limit

DL=Detection Limit

----Denotes limit not specified

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(Authorized Signatory)

AJEET SINGH SAINI
Page 2 of 5
Technical Manager
Environ Tech Laboratories



Testing of Water, Waste Water, Soil, Biological Testing; Monitoring of Ambient Air, Stack Emission,
Work Zone Monitoring, Noise, Ventilation, LUX & Weather Monitoring
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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TC-5879

TEST REPORT



To

M/s KUANTUM PAPERS LTD, SAILA KHURD
TEHSIL- GARHSHANKAR, DISTRICT: HOSHIARPUR,
PUNJAB

Customer Reference No.	NA	Report No.	ETL/06072024/1545
Sample Code given by Customer	NA	Report Date	06.07.2024
Type of sample	Drinking Water	ULR No.	TC587924000002626F
Sample Condition	Satisfactory	Sample Reg No.	ETL/W/29062024/1545
Quantity	5 lt	Date of Sampling	28.06.2024
Sampling Location	Water Reservoir Tank	Date of sample receipt	29.06.2024
Sample Drawn By	Mr.K.K.Mishra (Field Officer)	Date of Test Performance	29.06.2024-06.07.2024
Sampling Procedure	As per SOP	Packing Mode	Plastic cane

Discipline: Chemical

Group: Residues in water

Sample Description: Clear & colorless liquid

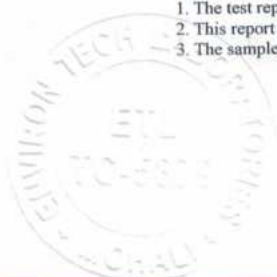
PART- B

S.No.	Parameters	Results	Limits of IS: 10500 – 2012		Test method
			Requirement (Acceptable Limit)	Permissible limit in absence of alternate source	
1.	Manganese (as Mn) mg/l	BDL (DL=0.02)	0.1	0.3	APHA 23rd Edition 2017-3111B
2.	Copper (as Cu) mg/l	BDL (DL=0.02)	0.05	1.5	APHA 23rd Edition 2017-3111 B
3.	Iron (as Fe), mg/l Max	0.15	1.0	No relaxation	APHA 23 rd Edition 3111B
4.	Selenium (as Se), mg/l	BDL (DL=0.001)	0.01	No relaxation	APHA 23rd Edition 2017-3114B
5.	Zinc (as Zn) mg/l	0.09	5	15	APHA 23rd Edition 2017-3111B
6.	Cadmium (as Cd) mg/l	BDL (DL=0.01)	0.003	No relaxation	APHA 23rd Edition 2017-3111B
7.	Lead (as Pb) mg/l	BDL (DL=0.01)	0.01	No relaxation	APHA 23rd Edition 2017-3111B
8.	Mercury (as Hg) mg/l	BDL (DL=0.001)	0.001	No relaxation	APHA 23rd Edition 2017-3114B
9.	Nickel (as Ni.), mg/l	BDL (DL=0.02)	0.02	No relaxation	APHA 23rd Edition 2017-3111B
10.	Total Arsenic (as As) mg/l	BDL (DL=0.005)	0.01	No relaxation	APHA 23rd Edition 2017-3114B
11.	Total Chromium (as Cr) mg/l	BDL (DL=0.04)	0.05	No relaxation	APHA 23rd Edition 2017-3113B
12.	Silver (as Ag) mg/l	BDL (DL=0.05)	0.1	No relaxation	Annex J of IS 13428 APHA 23 rd Edition 3114B

NOTE: BDL=Below Detection Limit

DL=Detection Limit

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Page 3 of 5
AJEET SINGH SAINI
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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TC-5879



TEST REPORT

To

M/s KUANTUM PAPERS LTD, SAILA KHURD

TEHSIL- GARHSHANKAR, DISTRICT: HOSHIARPUR,
PUNJAB

Customer Reference No.	NA	Report No.	ETL/06072024/1545
Sample Code given by Customer	NA	Report Date	06.07.2024
Type of sample	Drinking Water	ULR No.	TC587924000002626F
Sample Condition	Satisfactory	Sample Reg No.	ETL/W/29062024/1545
Quantity	5 lt	Date of Sampling	28.06.2024
Sampling Location	Colony (KPL)	Date of sample receipt	29.06.2024
Sample Drawn By	Mr.K.K.Mishra (Field Officer)	Date of Test Performance	29.06.2024-06.07.2024
Sampling Procedure	As per SOP	Packing Mode	Plastic cane

Discipline: Chemical

Group: Residues in Water

Sample Description: Clear & colorless liquid

PART-C

S. NO	PARAMETERS	Results	Detection Limit (µg/l)	Limit (µg/l)	Test method
1	Alachlor	BDL	0.01	20	SOP NO. ETL/Pest/2022/01
2	Atrazine	BDL	0.01	2	SOP NO. ETL/Pest/2022/02
3	Aldrin/ Dieldrin	BDL	0.01	0.03	SOP NO. ETL/Pest/2022/01
4	Alpha HCH	BDL	0.01	0.01	SOP NO. ETL/Pest/2022/01
5	Beta HCH	BDL	0.01	0.04	SOP NO. ETL/Pest/2022/01
6	Butachlor	BDL	0.01	125	SOP NO. ETL/Pest/2022/01
7	Chlorpyrifos	BDL	0.01	30	SOP NO. ETL/Pest/2022/01
8	Delta HCH	BDL	0.01	0.04	SOP NO. ETL/Pest/2022/01
9	2,4- Dichlorophenoxyacetic acid	BDL	20	30	SOP NO. ETL/Pest/2022/01
10	DDT(o, p and p, p-Isomers of DDT, DDE and DDD)	BDL	0.2	1	SOP NO. ETL/Pest/2022/01
11	Endosulfan (Alpha, Beta, and sulphate)	BDL	0.2	0.4	SOP NO. ETL/Pest/2022/01
12	Ethion	BDL	2.0	3	SOP NO. ETL/Pest/2022/01
13	Gamma -HCH (Lindane)	BDL	0.01	2	SOP NO. ETL/Pest/2022/01
14	Isoproturon	BDL	5.0	9	SOP NO. ETL/Pest/2022/01
15	Malathion	BDL	100	190	SOP NO. ETL/Pest/2022/01
16	Methyl parathion	BDL	0.2	0.3	SOP NO. ETL/Pest/2022/01
17	Monocrotophos	BDL	0.5	1	SOP NO. ETL/Pest/2022/22
18	Phorate	BDL	1.0	2	SOP NO. ETL/Pest/2022/01

Note:

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AJEET SINGH SAINI
Page 4 of 5
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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TC-5879



TEST REPORT

To

M/s KUANTUM PAPERS LTD, SAILA KHURD

TEHSIL- GARHSHANKAR, DISTRICT: HOSHIARPUR,
PUNJAB

Customer Reference No.	NA	Report No.	ETL/06072024/1545
Sample Code given by Customer	NA	Report Date	06.07.2024
Type of sample	Drinking Water	ULR No.	TC587924000002626F
Sample Condition	Satisfactory	Sample Reg No.	ETL/W/29062024/1545
Quantity	250 ml	Date of Sampling	28.06.2024
Sampling Location	Water Reservoir Tank	Date of sample receipt	29.06.2024
Sample Drawn By	Mr.K.K.Mishra (Field Officer)	Date of Test Performance	01.07.2024-02.07.2024
Sampling Procedure	As per SOP	Packing Mode	Glass Bottle

Discipline: Biological

Group: Water

Sample Description: Clear & colorless liquid

PART - D Biological

S. NO.	PARAMETERS	TEST RESULTS	Requirement as per IS 10500:2012 (Amendment No.04 NOV 2021)	TEST METHOD
1.	E.coli/100ml	NOT DETECTED	Shall not be detectable in any 100ml Sample	IS 15185:2016
2.	Coliform /100ml	NOT DETECTED	Shall not be detectable in any 100ml Sample	IS 15185:2016

Note:

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** End of Report **

(Authorized Signatory)

AJEET SINGH SAINI
Page 5 of 5
Technical Manager
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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P

TEST REPORT

To
M/s KUANTUM PAPERS LTD, SAILA KHURD
TEHSIL- GARHSHANKAR, DISTRICT: HOSHIARPUR,
PUNJAB

Customer Reference No.	NA	Report No.	ETL/06072024/1545
Sample Code given by Customer	NA	Report Date	06.07.2024
Type of sample	Drinking Water	ULR No.	NA
Sample Condition	Satisfactory	Sample Reg No.	ETL/W/29062024/1545
Quantity	5 lt	Date of Sampling	28.06.2024
Sampling Location	Water Reservoir Tank	Date of sample receipt	29.06.2024
Sample Drawn By	Mr.K.K.Mishra (Field Officer)	Date of Test Performance	29.06.2024-06.07.2024
Sampling Procedure	As per SOP	Packing Mode	Plastic cane

Discipline: Chemical	Group: Water
Sample Description: Clear & colorless liquid	

S. No.	Parameters	Results	Limits of IS: 10500 – 2012		Test method
			Requirement (Acceptable Limit)	Permissible limit in absence of alternate source	
1.	Anionic Detergents(as MBAS) mg/l, Max	ND	0.2	1.0	Annex K of IS 13428
2.	Barium (as Ba), mg/l, Max	ND	0.7	No relaxation	Annex F of IS 13428
3.	Mineral oil, mg/l, Max	ND	1.0	No relaxation	Clause 6 of IS 3025, (Part 39) Infrared partition Method
4.	Molybdenum (as Mo), mg/L	ND	0.07	No relaxation	IS 3025 (Part-2)
5.	Polychlorinated biphenyl, mg/L	ND	0.0005	No relaxation	ASTM 5175
6.	Polynuclear aromatic hydrocarbons (as PAH) mg/L	ND	0.0001	No relaxation	APHA 6440 or APHA 6630
7.	Bromoform, mg/l, Max	ND	0.1	No relaxation	APHA 6232
8.	Dibromochloromethane, mg/l, Max	ND	0.1	No relaxation	APHA 6232
9.	Bromodichloromethane, mg/l, Max	ND	0.06	No relaxation	APHA 6232
10.	Chloroform mg/l, Max	ND	0.2	No relaxation	APHA 6232

NOTE

ND = Not Detected

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** End of Report **

Authorized Signatory)

AJEET SINGH SAINI
Technical Manager
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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TEST REPORT

To
M/s KUANTUM PAPERS LTD, SAILA KHURD
TEHSIL- GARHSHANKAR, DISTRICT: HOSHIARPUR,
PUNJAB

Customer Reference No.	NA	Report No.	ETL/06072024/1546
Sample Code given by Customer	NA	Report Date	06.07.2024
Type of sample	WASTE WATER	ULR No.	TC587924000002627F
Sample Condition	Satisfactory	Sample Reg No.	ETL/E/29062024/1546
Quantity	2 Liter	Date of Sampling	28.06.2024
Sampling Location	ETP Equalization tank Inlet (Low COD stream)	Date of sample receipt	29.06.2024
Sample Collected By	Mr. K.K.Mishra (Field Officer)	Date of Test Performance	29.06.2024-06.07.2024
Sampling Procedure	As per SOP	Packing Mode	Plastic Bottle

Discipline: Chemical	Group: Pollution & Environment
Sample Description : yellowish brown liquid with suspended particles	

S. No	PARAMETERS	TEST RESULTS	TEST METHODS
1	pH	7.30	IS:3025 (Part-11)
2	Total Suspended Solids, mg/L	782	IS:3025(Part-17)
3	Total Dissolved Solid, mg/L	2116	IS:3025(Part-16)
4	Bio-chemical Oxygen Demand at 27°C, 3 days, mg/L	509	IS: 3025(Part-44)
5	Chemical Oxygen Demand, mg/L	1920	IS:3025(Part-58)
6	Sodium Absorption Ratio	10.6	Lab SOP- By Calculation

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END OF REPORT

(Authorized Signatory)
AJEET SINGH SAINI
Technical Manager
Environ Tech Laboratories



Environ Tech Laboratories

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Plot No. C-101, Industrial Area, Phase -VII, Sector-73, Mohali, Punjab- 160059
Mob. 9464000081, 9417220081, 9417210081, (O) 94630-00081, 0172-4630081
GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TEST REPORT

To
M/s KUANTUM PAPERS LTD, SAILA KHURD
TEHSIL- GARHSHANKAR, DISTRICT: HOSHIARPUR,
PUNJAB

Customer Reference No.	NA	Report No.	ETL/06072024/1547
Sample Code given by Customer	NA	Report Date	06.07.2024
Type of sample	WASTE WATER	ULR No.	TC587924000002628F
Sample Condition	Satisfactory	Sample Reg No.	ETL/E/29062024/1547
Quantity	2 Liter	Date of Sampling	28.06.2024
Sampling Location	ETP INLET (High COD Stream)	Date of sample receipt	29.06.2024
Sample Collected By	Mr. K.K.Mishra (Field Officer)	Date of Test Performance	29.06.2024-06.07.2024
Sampling Procedure	As per SOP	Packing Mode	Plastic Bottle

Discipline: Chemical

Group: Pollution & Environment

Sample Description : Brownish yellow Turbid liquid with suspended particles

S. No	PARAMETERS	TEST RESULTS	TEST METHODS
1	pH	8.32	IS:3025 (Part-11)
2	Total Suspended Solids, mg/L	2650	IS:3025(Part-17)
3	Total Dissolved Solid, mg/L	2160	IS:3025(Part-16)
4	Bio-chemical Oxygen Demand at 27°C, 3 days, mg/L	1170	IS: 3025(Part-44)
5	Chemical Oxygen Demand, mg/L	2820	IS:3025(Part-58)
6	Sodium Absorption Ratio	8.4	Lab SOP- By Calculation

Note:

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3. The sample will be destroyed after thirty days from the date of issue of test report unless otherwise specified.



(Authorized Signatory)

AJEET SINGH SAINI
Technical Manager
Environ Tech Laboratories

Page 1 of 1

**END OF REPORT

Testing of Water, Waste Water, Soil, Biological Testing; Monitoring of Ambient Air, Stack Emission,
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Mob. 9464000081, 9417220081, 9417210081, (O) 94630-00081, 0172-4630081
GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TC-5879



TEST REPORT

To
M/s KUANTUM PAPERS LTD, SAILA KHURD
TEHSIL- GARHSHANKAR, DISTRICT: HOSHIARPUR,
PUNJAB

Customer Reference No.	NA	Report No.	ETL/06072024/1548
Sample Code given by Customer	NA	Report Date	06.07.2024
Type of sample	WASTE WATER	ULR NO.	TC587924000002629F
Sample Condition	Satisfactory	Sample Reg No.	ETL/E/29062024/1548
Quantity	2 Liter	Date of Sampling	28.06.2024
Sampling Location	ETP OUTLET	Date of sample receipt	29.06.2024
Sample Collected By	Mr. K.K.Mishra (Field Officer)	Date of Test Performance	29.06.2024-06.07.2024
Sampling Procedure	As per SOP	Packing Mode	Plastic Bottle

Discipline: Chemical

Group: Pollution & Environment

Sample Description : yellow tinge liquid with few suspended particles

S. No	PARAMETERS	TEST RESULTS	STANDARDS			TEST METHODS
			Inland Surface Water	Public Sewer	Land for Irrigation	
1	pH	7.04	5.5-9.0	5.5- 9.0	5.5-9.0	IS:3025 (Part-11)
2	Total Suspended Solids, mg/L	22	100	600	200	IS:3025(Part-17)
3	Total Dissolved Solid, mg/L	1812	--	--	--	IS:3025(Part-16)
4	Bio-chemical Oxygen Demand at 27°C, 3 days, mg/L	23.5	30	350	100	IS: 3025(Part-44)
5	Chemical Oxygen Demand, mg/L	183.6	250	No guideline	No guideline	IS:3025(Part-58)
6	Sodium Absorption Ratio	2.10	--	--	--	Lab SOP- By Calculation

Note:

: ----Denotes limit not specified

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**END OF REPORT*

(Authorized Signatory)
AJEET SINGH SAINI
Technical Manager
Environ Tech Laboratories
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Testing of Water, Waste Water, Soil, Biological Testing; Monitoring of Ambient Air, Stack Emission,
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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TEST REPORT

To
M/s KUANTUM PAPERS LTD, SAILA KHURD
TEHSIL- GARHSHANKAR, DISTRICT: HOSHIARPUR,
PUNJAB

Customer Reference No.	NA	Report No.	ETL/06072024/1548
Sample Code given by Customer	NA	Report Date	06.07.2024
Type of sample	WASTE WATER	Sample Reg No.	ETL/E/29062024/1548
Sample Condition	Satisfactory	ULR NO.	NA
Quantity	2 Liter	Date of Sampling	28.06.2024
Sampling Location	ETP OUTLET	Date of sample receipt	29.06.2024
Sample Collected By	Mr. K.K.Mishra (Field Officer)	Date of Test Performance	29.06.2024-06.07.2024
Sampling Procedure	As per SOP	Packing Mode	Plastic Bottle

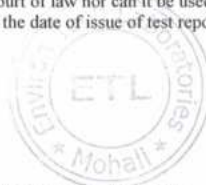
Discipline: Chemical	Group: Pollution & Environment
Sample Description : yellow tinge liquid with few suspended particles	

S. No	PARAMETERS	TEST RESULTS	STANDARDS			TEST METHODS
			Inland Surface Water	Public Sewer	Land for Irrigation	
1	AOX, mg/l	0.9	-	-	-	Lab SOP

Note

: ---Denotes limit not specified

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- The sample will be destroyed after thirty days from the date of issue of test report unless otherwise specified



**END OF REPORT*


(Authorized Signatory)

AJAY SINGH
Page 1 of 1
Technical Manager
Environ Tech Laboratories



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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TC-5879



TEST REPORT

To
M/s KUANTUM PAPERS LTD, SAILA KHURD
TEHSIL- GARHSHANKAR, DISTRICT-HOSHIARPUR,
PUNJAB

Customer Reference No.	NA	Report No.	ETL/04072024/1535
Sample Code given by Customer	NA	Report Date	04.07.2024
Type of sample	Workzone Noise	ULR No.	TC587924000002616F
Sample Condition	Satisfactory	Sample Reg No.	ETL/A/29062024/1535
Sampling Location	Admin Block	Date of Sampling	28.06.2024
Sample Collected By	Mr. K.K. Mishra & Team	Date of sample receipt	29.06.2024
Sampling Procedure	As per lab SOP	Date of Test Performance	29.06.2024 – 04.07.2024

Sr.No.	Parameter	Time period for Sampling	Results dB(A) Leq	LIMIT As per Factory Act (Noise Regulation 2)	Test Method
1	Noise Level	(10:00 A.M – 11:00 A.M)	64.5	94	IS:9989

Note:

1. The test report refers only to tested sample and applicable parameters.
2. This report can neither be used as evidence in the court of law nor can it be used in part or full in any media without prior permission.



** End of Report **

Ramraj Kumar
(Authorized Signatory)
Quality Manager
Environ Tech Laboratories
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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TC-5879



TEST REPORT

To
M/s KUANTUM PAPERS LTD, SAILA KHURD
TEHSIL- GARHSHANKAR, DISTRICT-HOSHIARPUR,
PUNJAB

Customer Reference No.	NA	Report No.	ETL/04072024/1536
Sample Code given by Customer	NA	Report Date	04.07.2024
Type of sample	Workzone Noise	ULR No.	TC587924000002617F
Sample Condition	Satisfactory	Sample Reg No.	ETL/A/29062024/1535
Sampling Location	Wood Cutter Machine Area	Date of Sampling	28.06.2024
Sample Collected By	Mr. K.K. Mishra & Team	Date of sample receipt	29.06.2024
Sampling Procedure	As per lab SOP	Date of Test Performance	29.06.2024 – 04.07.2024

Sr.No.	Parameter	Time period for Sampling	Results dB(A) Leq	LIMIT As per Factory Act (Noise Regulation 2)	Test Method
1	Noise Level	(11:15 A.M – 12:15 P.M)	84.9	94	IS:9989

Note:

1. The test report refers only to tested sample and applicable parameters.
2. This report can neither be used as evidence in the court of law nor can it be used in part or full in any media without prior permission.



** End of Report **

Ramesh Kumar
(Authorized Signatory)
Quality Manager
Environ Tech Laboratories
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Testing of Water, Waste Water, Soil, Biological Testing; Monitoring of Ambient Air, Stack Emission,
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TC-5879



TEST REPORT

To
M/s KUANTUM PAPERS LTD, SAILA KHURD
TEHSIL- GARHSHANKAR, DISTRICT-HOSHIARPUR,
PUNJAB

Customer Reference No.	NA	Report No.	ETL/04072024/1537
Sample Code given by Customer	NA	Report Date	04.07.2024
Type of sample	Workzone Noise	ULR No.	TC587924000002618F
Sample Condition	Satisfactory	Sample Reg No.	ETL/A/29062024/1537
Sampling Location	Pulp Mill ODL -Plant	Date of Sampling	28.06.2024
Sample Collected By	Mr. K.K. Mishra & Team	Date of sample receipt	29.06.2024
Sampling Procedure	As per lab SOP	Date of Test Performance	29.06.2024 – 04.07.2024

Sr.No.	Parameter	Time period for Sampling	Results dB(A) Leq	LIMIT As per Factory Act (Noise Regulation 2)	Test Method
1	Noise Level	(12:30 P.M – 01:30 P.M)	80.0	94	IS:9989

Note:

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Ramesh Kumar

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Quality Manager
Environ Tech Laboratories

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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TC-5879



TEST REPORT

To
M/s KUANTUM PAPERS LTD, SAILA KHURD
TEHSIL- GARHSHANKAR, DISTRICT-HOSHIARPUR,
PUNJAB

Customer Reference No.	NA	Report No.	ETL/04072024/1538
Sample Code given by Customer	NA	Report Date	04.07.2024
Type of sample	Workzone Noise	ULR No.	TC587924000002619F
Sample Condition	Satisfactory	Sample Reg No.	ETL/A/29062024/1538
Sampling Location	Paper Machine No.3	Date of Sampling	28.06.2024
Sample Collected By	Mr. K.K. Mishra & Team	Date of sample receipt	29.06.2024
Sampling Procedure	As per lab SOP	Date of Test Performance	29.06.2024 – 04.07.2024

Sr.No.	Parameter	Time period for Sampling	Results dB(A) Leq	LIMIT As per Factory Act (Noise Regulation 2)	Test Method
1	Noise Level	(01:45 P.M – 02:45 P.M)	82.4	94	IS:9989

Note:

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** End of Report **

Ramesh Kumar
(Authorized Signatory)

Quality Manager
Environ Tech Laboratories
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TC-5879



TEST REPORT

To
M/s KUANTUM PAPERS LTD, SAILA KHURD
TEHSIL- GARHSHANKAR, DISTRICT-HOSHIARPUR,
PUNJAB

Customer Reference No.	NA	Report No.	ETL/04072024/1539
Sample Code given by Customer	NA	Report Date	04.07.2024
Type of sample	Workzone Noise	ULR No.	TC587924000002620F
Sample Condition	Satisfactory	Sample Reg No.	ETL/A/29062024/1539
Sampling Location	Paper Machine No.4	Date of Sampling	27.06.2024
Sample Collected By	Mr. K.K. Mishra & Team	Date of sample receipt	29.06.2024
Sampling Procedure	As per lab SOP	Date of Test Performance	29.06.2024 – 04.07.2024

Sr.No.	Parameter	Time period for Sampling	Results dB(A) Leq	LIMIT As per Factory Act (Noise Regulation 2)	Test Method.
1	Noise Level	(03:00 P.M – 04:00 P.M)	81.4	94	IS:9989

Note:

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** End of Report **

Rameshwar Kumar
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Testing of Water, Waste Water, Soil, Biological Testing; Monitoring of Ambient Air, Stack Emission,
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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TEST REPORT

To
M/s KUANTUM PAPERS LTD, SAILA KHURD
TEHSIL- GARHSHANKAR, DISTRICT-HOSHIARPUR,
PUNJAB

Customer Reference No.	NA	Report No.	ETL/04072024/1540
Sample Code given by Customer	NA	Report Date	04.07.2024
Type of sample	Workzone Noise	ULR No.	TC587924000002621F
Sample Condition	Satisfactory	Sample Reg No.	ETL/A/29062024/1540
Sampling Location	Turbine No.5	Date of Sampling	27.06.2024
Sample Collected By	Mr. K.K. Mishra & Team	Date of sample receipt	29.06.2024
Sampling Procedure	As per lab SOP	Date of Test Performance	29.06.2024 – 04.07.2024

Sr.No.	Parameter	Time period for Sampling	Results dB(A) Leq	LIMIT As per Factory Act (Noise Regulation 2)	Test Method
1	Noise Level	(04:15 P.M – 05:15 P.M)	82.8	94	IS:9989

Note:

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Ramesh Chandra
(Authorized Signatory)
Quality Manager
Environ Tech Laboratories

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** End of Report **



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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TC-5879



TEST REPORT

To
M/s KUANTUM PAPERS LTD, SAILA KHURD
TEHSIL- GARHSHANKAR, DISTRICT-HOSHIARPUR,
PUNJAB

Customer Reference No.	NA	Report No.	ETL/04072024/1541
Sample Code given by Customer	NA	Report Date	04.07.2024
Type of sample	Workzone Noise	ULR No.	TC587924000002622F
Sample Condition	Satisfactory	Sample Reg No.	ETL/A/29062024/1541
Sampling Location	Turbine No.4	Date of Sampling	27.06.2024
Sample Collected By	Mr. K.K. Mishra & Team	Date of sample receipt	29.06.2024
Sampling Procedure	As per lab SOP	Date of Test Performance	29.06.2024 – 04.07.2024

Sr.No.	Parameter	Time period for Sampling	Results dB(A) Leq	LIMIT As per Factory Act (Noise Regulation 2)	Test Method
1	Noise Level	(05:30 P.M – 06:30 P.M)	83.2	94	IS:9989

Note:

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** End of Report **

Ramesh Kumar
(Authorized Signatory)

Quality Manager
Environ Tech Laboratories
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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TC-5879



TEST REPORT

To
M/s KUANTUM PAPERS LTD, SAILA KHURD
TEHSIL- GARHSHANKAR, DISTRICT-HOSHIARPUR,
PUNJAB

Customer Reference No.	NA	Report No.	ETL/04072024/1542
Sample Code given by Customer	NA	Report Date	04.07.2024
Type of sample	Workzone Noise	ULR No.	TC587924000002623F
Sample Condition	Satisfactory	Sample Reg No.	ETL/A/29062024/1542
Sampling Location	Blower (ETP)	Date of Sampling	27.06.2024
Sample Collected By	Mr. K.K. Mishra & Team	Date of sample receipt	29.06.2024
Sampling Procedure	As per lab SOP	Date of Test Performance	29.06.2024 – 04.07.2024

Sr.No.	Parameter	Time period for Sampling	Results dB(A) Leq	LIMIT As per Factory Act (Noise Regulation 2)	Test Method
1	Noise Level	(06:45 P.M – 07:45 P.M)	82.7	94	IS:9989

Note:

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Ramesh Kumar

(Authorized Signatory)

Quality Manager

Environ Tech Laboratories

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** End of Report **





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Mob. 9464000081, 9417220081, 9417210081, (O) 94630-00081, 0172-4630081
GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TEST REPORT

To
M/s KUANTUM PAPERS LTD, SAILA KHURD
TEHSIL- GARHSHANKAR, DISTRICT-HOSHIARPUR,
PUNJAB

Customer Reference No.	NA	Report No.	ETL/04072024/1529
Sample Code given by Customer	NA	Report Date	04.07.2024
Type of sample	Noise Level	ULR No.	NA
Sample Condition	Satisfactory	Sample Reg No.	ETL/A/29062024/1529
Sampling Location	D.G. Set (160 KVA)	Date of Sampling	27.06.2024
Sample Collected By	Mr.K.K.Mishra & Team	Date of sample receipt	29.06.2024
Sampling Procedure	As per lab SOP	Date of Test Performance	29.06.2024 – 04.07.2024

Discipline: Chemical	Group : Atmospheric Pollution
----------------------	-------------------------------

Instrument Used for Sampling	Noise meter
Source	D.G Set (160 KVA)
Engine Make and S. No	Cummins - 84913143
Mfg. Year:	13.01.2020
Fuel Used	HSD

SR. NO.	TEST	RESULTS	LIMIT (As per CPCB) dB(A)	TEST METHOD
A	DG Set with Acoustic Enclosure			
1	Average Noise levels measured at different points from the acoustic enclosure surface OPEN; Leq dB(A)	97.1	--	IS:4758
2	Average Noise levels measured at different points at 1 m from the acoustic enclosure surface CLOSED; Leq dB(A)	71.7	75.0(Max)	
3	Insertion loss of DG acoustic enclosure surface; Leq dB(A)	25.4	25.0 (Min)	

Note:

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Ramesh Kumar
(Authorized Signatory)

Quality Manager
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End of Report



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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TEST REPORT

To
M/s KUANTUM PAPERS LTD, SAILA KHURD
TEHSIL- GARHSHANKAR, DISTRICT-HOSHIARPUR,
PUNJAB

Customer Reference No.	NA	Report No.	ETL/04072024/1528
Sample Code given by Customer	NA	Report Date	04.07.2024
Type of sample	Noise Level	ULR No.	NA
Sample Condition	Satisfactory	Sample Reg No.	ETL/A/29062024/1528
Sampling Location	D.G. Set (50 KVA)	Date of Sampling	27.06.2024
Sample Collected By	Mr.K.K.Mishra & Team	Date of sample receipt	29.06.2024
Sampling Procedure	As per lab SOP	Date of Test Performance	29.06.2024 – 04.07.2024

Discipline: Chemical

Group : Atmospheric Pollution

Instrument Used for Sampling	Noise meter
Source	D.G Set (50 KVA)
Engine Make and S. No	Cummins -3003/0800371
Mfg. Year:	06/2008
Fuel Used	HSD

SR. NO.	TEST	RESULTS	LIMIT (As per CPCB) dB(A)	TEST METHOD
A	DG Set with Acoustic Enclosure			
1	Average Noise levels measured at different points from the acoustic enclosure surface OPEN; Leq dB(A)	96.9	--	IS:4758
2	Average Noise levels measured at different points at 1 m from the acoustic enclosure surface CLOSED; Leq dB(A)	71.7	75.0(Max)	
3	Insertion loss of DG acoustic enclosure surface; Leq dB(A)	25.2	25.0 (Min)	

Note:

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Sanjeev Kumar

(Authorized Signatory)

Quality Manager
Environ Tech Laboratories

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End of Report

Testing of Water, Waste Water, Soil, Biological Testing; Monitoring of Ambient Air, Stack Emission,
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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TEST REPORT

To
M/s KUANTUM PAPERS LTD, SAILA KHURD
TEHSIL- GARHSHANKAR, DISTRICT-HOSHIARPUR,
PUNJAB

Customer Reference No.	NA	Report No.	ETL/04072024/1527
Sample Code given by Customer	NA	Report Date	04.07.2024
Type of sample	Noise Level	ULR No.	NA
Sample Condition	Satisfactory	Sample Reg No.	ETL/A/29062024/1527
Sampling Location	D.G. Set (160 KVA)	Date of Sampling	27.06.2024
Sample Collected By	Mr.K.K.Mishra & Team	Date of sample receipt	29.06.2024
Sampling Procedure	As per lab SOP	Date of Test Performance	29.06.2024 – 04.07.2024

Discipline: Chemical	Group : Atmospheric Pollution
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Instrument Used for Sampling	Noise meter
Source	D.G Set (160 KVA)
Engine Make and S. No	Cummins - 84473539
Mfg. Year:	13.07.2018
Fuel Used	HSD

SR. NO.	TEST	RESULTS	LIMIT (As per CPCB) dB(A)	TEST METHOD
A	DG Set with Acoustic Enclosure			
1	Average Noise levels measured at different points from the acoustic enclosure surface OPEN; Leq dB(A)	97.2	--	IS:4758
2	Average Noise levels measured at different points at 1 m from the acoustic enclosure surface CLOSED; Leq dB(A)	71.8	75.0(Max)	
3	Insertion loss of DG acoustic enclosure surface; Leq dB(A)	25.3	25.0 (Min)	

Note:

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Ramesh Kumar
(Authorized Signatory)
Quality Manager
Environ Tech Laboratories

Page 1 of 1

End of Report

Testing of Water, Waste Water, Soil, Biological Testing; Monitoring of Ambient Air, Stack Emission,
Work Zone Monitoring, Noise, Ventilation, LUX & Weather Monitoring
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Environ Tech Laboratories

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Plot No. C-101, Industrial Area, Phase -VII, Sector-73, Mohali, Punjab- 160059
Mob. 9464000081, 9417220081, 9417210081, (O) 94630-00081, 0172-4630081
GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TC-5879



TEST REPORT

To
M/s KUNTUM PAPERS LTD, SAILA KHURD
TEHSIL- GARHSHANKAR, DISTRICT: HOSHIARPUR,
PUNJAB

Customer Reference No.	NA	Report No.	ETL/06072024/1549
Sample Code given by Customer	NA	Report Date	06.07.2024
Type of sample	Ground Water	ULR No.	TC587924000002630F
		Sample Reg No.	ETL/W/29062024/1549
Sample Condition	Satisfactory	Date of Sampling	27.06.2024
Piezometer No.	01	Date of sample receipt	29.06.2024
Sampling Location	Village : Saila Khurd	Date of Test Performance	29.06.2024-06.07.2024
Sample Collected By	Mr. K.K Mishra	Quantity	2 Liter
Sampling Procedure	As per SOP	Packing Mode	Plastic Bottle

Discipline: Chemical

Group: Water

Sample Description: Colourless liquid with suspended particles

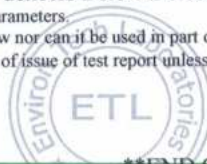
S.No.	Parameters	Results	Test Method
1.	pH	7.07	IS: 3025(Part – 11)
2.	Total Dissolved Solids, mg/l,	492	IS: 3025(Part – 16)
3.	Conductivity micro mhos/cm at 25°C	740	IS: 3025 (Part-14)
4	Alkalinity (as CaCO ₃)mg/l	286	IS: 3025 (Part – 23)
5	Chloride(as Cl),mg/L	58.7	IS: 3025 (Part – 32)
6	Sulphate(as SO ₄)mg/L	28.6	IS: 3025(Part – 24)
7	Nitrate (as NO ₃) mg/L	3.8	IS: 3025, (Part-34)
8	Fluoride (as F) mg/L	0.7	IS: 3025(Part – 60)
9	Calcium (as Ca) mg/L	64.1	IS: 3025 (Part 40)
10	Magnesium (as Mg) mg/L	31.6	IS: 3025(Part – 46)
11	Total Hardness (as CaCO ₃) mg/L	290	IS: 3025(Part – 21)
12	Sodium (as Na) mg/L	45	IS: 3025(Part – 45)
13	Potassium (as K) mg/L	2.6	IS: 3025(Part – 45)
14	Boron (as B) mg/L	BDL (DL=0.1)	IS: 3025(Part – 57)

Note

BDL: denotes Below Detection Limit

DL: denotes Detection Limit

- The test report refers only to tested sample and applicable parameters.
- This report can neither be used as evidence in the court of law nor can it be used in part or full in any media without prior permission.
- The sample will be destroyed after thirty days from the date of issue of test report unless otherwise specified.



(Authorized Signatory)

AJEET SINGH SAINI
Technical Manager
Environ Tech Laboratories

END OF REPORT

Testing of Water, Waste Water, Soil, Biological Monitoring, Monitoring of Ambient Air, Stack Emission,
Work Zone Monitoring, Noise, Ventilation, LUX & Weather Monitoring

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Environ Tech Laboratories

CPCB Recognized under EPA, 1986; ISO 9001:2015; OHSAS ISO 45001:2018

Plot No. C-101, Industrial Area, Phase -VII, Sector-73, Mohali, Punjab- 160059
Mob. 9464000081, 9417220081, 9417210081, (O) 94630-00081, 0172-4630081
GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TEST REPORT

To
M/s KUANTUM PAPERS LTD, SAILA KHURD
TEHSIL- GARHSHANKAR, DISTRICT: HOSHIARPUR,
PUNJAB

Customer Reference No.	NA	Report No.	ETL/06072024/1549
Sample Code given by Customer	NA	Report Date	06.07.2024
Type of sample	Ground Water	ULR No.	NA
		Sample Reg No.	ETL/W/29062024/1549
Sample Condition	Satisfactory	Date of Sampling	27.06.2024
Piezometer No.	01	Date of sample receipt	29.06.2024
Sampling Location	Village : Saila Khurd	Date of Test Performance	29.06.2024-06.07.2024
Sample Collected By	Mr. K.K Mishra	Quantity	2 Liter
Sampling Procedure	As per SOP	Packing Mode	Plastic Bottle

Discipline: Chemical

Group: Water

Sample Description: Colourless liquid with suspended particles

S.No.	Parameters	Results	Test Method
1	Carbonate (as CO ₃) mg/L	ND	IS: 3025 (Part -23)
2	Bicarbonate (as HCO ₃) mg/L	349	IS: 3025 (Part -23)
3	R.S.C , meq/L	-0.08	By Calculation
4	S.A.R.	1.15	By Calculation
5	B.O.D, mg/L	BDL (DL=2)	IS: 3025 (Part -44)
6	C.O.D, mg/L	BDL (DL=4)	IS: 3025 (Part -55)

Note

BDL: denotes Below Detection Limit

DL: denotes Detection Limit

ND= Not Detected

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***END OF REPORT**

(Authorized Signatory)
AJEET SINGH SAINI
Technical Manager
Environ Tech Laboratories
Page 1 of 1



Environ Tech Laboratories

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Plot No. C-101, Industrial Area, Phase -VII, Sector-73, Mohali, Punjab- 160059
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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TC-5879



TEST REPORT

To
M/s KUANTUM PAPERS LTD, SAILA KHURD
TEHSIL- GARHSHANKAR, DISTRICT : HOSHIARPUR ,
PUNJAB

Customer Reference No.	NA	Report No.	ETL/06072024/1550
Sample Code given by Customer	NA	Report Date	06.07.2024
Type of sample	Ground Water	ULR No.	TC587924000002631F
		Sample Reg No.	ETL/W/29062024/1550
Sample Condition	Satisfactory	Date of Sampling	27.06.2024
Piezometer No.	02	Date of sample receipt	29.06.2024
Sampling Location	Village : Rampur	Date of Test Performance	29.06.2024-06.07.2024
Sample Collected By	Mr. K.K Mishra	Quantity	2 Liter
Sampling Procedure	As per SOP	Packing Mode	Plastic Bottle

Discipline: Chemical

Group: Water

Sample Description: Colourless liquid with some suspended particles

S.No.	Parameters	Results	Test Method
1	pH	7.00	IS: 3025(Part – 11)
2	Total Dissolved Solids, mg/l,	485	IS: 3025(Part – 16)
3.	Conductivity micro mhos/cm at 25 ⁰ C	730	IS: 3025 (Part-14)
4	Alkalinity (as CaCO ₃)mg/l	330	IS: 3025 (Part –23)
5	Chloride(as Cl),mg/L	15.7	IS: 3025 (Part – 32)
6	Sulphate(as SO ₄)mg/L	7.5	IS: 3025(Part – 24)
7	Nitrate (as NO ₃) mg/L	28.8	IS: 3025, (Part-34)
8	Fluoride (as F) mg/L	0.42	IS: 3025(Part –60)
9	Calcium (as Ca) mg/L	80.2	IS: 3025 (Part 40)
10	Magnesium (as Mg) mg/L	38.8	IS: 3025(Part – 46)
11	Total Hardness (as CaCO ₃) mg/L	360	IS: 3025(Part – 21)
12	Sodium (as Na) mg/L	10	IS: 3025(Part –45)
13	Potassium (as K) mg/L	1.6	IS: 3025(Part –45)
14	Boron (as B) mg/L	BDL (DL=0.1)	IS: 3025(Part –57)

Note

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DL: denotes Detection Limit

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(Authorized Signatory)

AJEET SINGH SAINI
Technical Manager
Environ Tech Laboratories

Testing of Water, Waste Water, Soil, Biological Testing, Monitoring of Ambient Air, Stack Emission
Work Zone Monitoring, Noise, Ventilation, LUX & Weather Monitoring
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Environ Tech Laboratories

CPCB Recognized under EPA, 1986; ISO 9001:2015; OHSAS ISO 45001:2018

Plot No. C-101, Industrial Area, Phase -VII, Sector-73, Mohali, Punjab- 160059
Mob. 9464000081, 9417220081, 9417210081, (O) 94630-00081, 0172-4630081
GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TEST REPORT

To
M/s KUANTUM PAPERS LTD, SAILA KHURD
TEHSIL- GARHSHANKAR , DISTRICT : HOSHIARPUR ,
PUNJAB

Customer Reference No.	NA	Report No.	ETL/06072024/1550
Sample Code given by Customer	NA	Report Date	06.07.2024
Type of sample	Ground Water	ULR No.	NA
		Sample Reg No.	ETL/W/29062024/1550
Sample Condition	Satisfactory	Date of Sampling	27.06.2024
Piezometer No.	02	Date of sample receipt	29.06.2024
Sampling Location	Village : Rampur	Date of Test Performance	29.06.2024-06.07.2024
Sample Collected By	Mr. K.K Mishra	Quantity	2 Liter
Sampling Procedure	As per SOP	Packing Mode	Plastic Bottle

Discipline: Chemical	Group: Water
Sample Description: Colourless liquid with some suspended particles	


S.No.	Parameters	Results	Test Method
1	Carbonate (as CO ₃) mg/L	ND	IS: 3025 (Part -23)
2	Bicarbonate(asHCO ₃)mg/L	403	IS: 3025 (Part -23)
3	R.S.C , meq/L	-0.60	By Calculation
4	S.A.R.	0.23	By Calculation
5	B.O.D, mg/L	BDL (DL=2)	IS: 3025(Part -44)
6	C.O.D, mg/L	4.32	IS: 3025(Part -55)

Note BDL: denotes Below Detection Limit DL: denotes Detection Limit ND= Not Detected

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END OF REPORT


(Authorized Signatory)
AJEET SINGH SAINI
Technical Manager
Environ Tech Laboratories



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Plot No. C-101, Industrial Area, Phase -VII, Sector-73, Mohali, Punjab- 160059
Mob. 9464000081, 9417220081, 9417210081, (O) 94630-00081, 0172-4630081
GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TC-5879



TEST REPORT

To
M/s KUANTUM PAPERS LTD, SAILA KHURD
TEHSIL- GARHSHANKAR, DISTRICT: HOSHIARPUR,
PUNJAB

Customer Reference No.	NA	Report No.	ETL/06072024/1551
Sample Code given by Customer	NA	Report Date	06.07.2024
Type of sample	Ground Water	ULR No.	TC587924000002632F
		Sample Reg No.	ETL/W/29062024/1551
Sample Condition	Satisfactory	Date of Sampling	27.06.2024
Piezometer No.	03	Date of sample receipt	29.06.2024
Sampling Location	Village : Bhajjal	Date of Test Performance	29.06.2024-06.07.2024
Sample Collected By	Mr. K.K Mishra	Quantity	2 Liter
Sampling Procedure	As per SOP	Packing Mode	Plastic Bottle

Discipline: Chemical

Group: Water

Sample Description: Colourless liquid with some suspended particles

S.No.	Parameters	Results	Test Method
1.	pH	7.00	IS: 3025(Part – 11)
2.	Total Dissolved Solids, mg/l,	492	IS: 3025(Part – 16)
3.	Conductivity micro mhos/cm at 25°C	768	IS: 3025 (Part-14)
6.	Alkalinity (as CaCO ₃)mg/l	308	IS: 3025 (Part –23)
7.	Chloride(as Cl),mg/L	58.7	IS: 3025 (Part – 32)
8.	Sulphate(as SO ₄)mg/L	32.5	IS: 3025(Part – 24)
9.	Nitrate (as NO ₃) mg/L	4.6	IS: 3025, (Part-34)
10.	Fluoride (as F) mg/L	0.18	IS: 3025(Part –60)
11.	Calcium (as Ca) mg/L	64.1	IS: 3025 (Part 40)
12.	Magnesium (as Mg) mg/L	29.1	IS: 3025(Part – 46)
13.	Total Hardness (as CaCO ₃) mg/L	280	IS: 3025(Part – 21)
14.	Sodium (as Na) mg/L	60	IS: 3025(Part –45)
15.	Potassium (as K) mg/L	4.6	IS: 3025(Part –45)
16.	Boron (as B) mg/L	BDL (DL=0.1)	IS: 3025(Part –57)

Note : BDL: denotes Below Detection Limit

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END OF REPORT

(Authorized Signatory)
AJEET SINGH SAINI
Technical Manager
Environ Tech Laboratories

Testing of Water, Waste Water, Soil, Biological Testing; Monitoring of Ambient Air, Stack Emission,
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Environ Tech Laboratories

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Plot No. C-101, Industrial Area, Phase -VII, Sector-73, Mohali, Punjab- 160059
Mob. 9464000081, 9417220081, 9417210081, (O) 94630-00081, 0172-4630081
GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TEST REPORT

To
M/s KUANTUM PAPERS LTD, SAILA KHURD
TEHSIL- GARHSHANKAR, DISTRICT : HOSHIARPUR,
PUNJA

Customer Reference No.	NA	Report No.	ETL/06072024/1551
Sample Code given by Customer	NA	Report Date	06.07.2024
Type of sample	Ground Water	ULR No.	NA
		Sample Reg No.	ETL/W/29062024/1551
Sample Condition	Satisfactory	Date of Sampling	27.06.2024
Piezometer No.	03	Date of sample receipt	29.06.2024
Sampling Location	Village : Bhajjal	Date of Test Performance	29.06.2024-06.07.2024
Sample Collected By	Mr. K.K Mishra	Quantity	2 Liter
Sampling Procedure	As per SOP	Packing Mode	Plastic Bottle

Discipline: Chemical

Group: Water

Sample Description: Colourless liquid with some suspended particles

S.No.	Parameters	Results	Test Method
1	Carbonate (as CO ₃) mg/L	ND	IS: 3025 (Part -23)
2	Bicarbonate(asHCO ₃)mg/L	376	IS: 3025 (Part -23)
3	R.S.C, meq/L	0.56	By Calculation
4	S.A.R.	1.56	By Calculation
5	B.O.D, mg/L	BDL (DL=2)	IS: 3025(Part -44)
6	C.O.D, mg/L	BDL (DL=4)	IS: 3025(Part -55)

NoteND: BDL: denotes Below Detection Limit

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ND denotes Not Detectable

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END OF REPORT

(Authorized Signatory)

AJEET SINGH SAINI of 1
Technical Manager
Environ Tech Laboratories



Environ Tech Laboratories

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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TC-5879



TEST REPORT

To
M/s KUANTUM PAPERS LTD, SAILA KHURD
TEHSIL- GARHSHANKAR , DISTRICT : HOSHIARPUR ,
PUNJAB

Customer Reference No.	NA	Report No.	ETL/06072024/1552
Sample Code given by Customer	NA	Report Date	06.07.2024
Type of sample	Ground Water	ULR No.	TC587924000002633F
		Sample Reg No.	ETL/W/29062024/1552
Sample Condition	Satisfactory	Date of Sampling	27.06.2024
Piezometer No.	04	Date of sample receipt	29.06.2024
Sampling Location	Village : Pathlawa	Date of Test Performance	29.06.2024-06.07.2024
Sample Collected By	Mr. K.K Mishra	Quantity	2 Liter
Sampling Procedure	As per SOP	Packing Mode	Plastic Bottle

Discipline: Chemical	Group: Water
Sample Description: Colouless liquid with some suspended particles	

S.No.	Parameters	Results	Test Method
1.	pH	7.47	IS: 3025(Part – 11)
2.	Total Dissolved Solids, mg/l,	459	IS: 3025(Part – 16)
3.	Conductivity micro mhos/cm at 25°C	691	IS: 3025 (Part-14)
4.	Alkalinity (as CaCO ₃)mg/l	330	IS: 3025 (Part –23)
5.	Chloride(as Cl),mg/L	15.7	IS: 3025 (Part – 32)
6.	Sulphate(as SO ₄)mg/L	12.8	IS: 3025(Part – 24)
7.	Nitrate (as NO ₃) mg/L	4.2	IS: 3025, (Part-34)
8.	Fluoride (as F) mg/L	0.6	IS: 3025(Part –60)
9.	Calcium (as Ca) mg/L	80	IS: 3025 (Part 40)
10.	Magnesium (as Mg) mg/L	24.4	IS: 3025(Part – 46)
11.	Total Hardness (as CaCO ₃) mg/L	300	IS: 3025(Part – 21)
12.	Sodium (as Na) mg/L	28	IS: 3025(Part –45)
13.	Potassium (as K) mg/L	2.8	IS: 3025(Part –45)
14.	Boron (as B) mg/L	BDL (DL=0.1)	IS: 3025(Part –57)

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(Authorized Signatory)
AJEET SINGH SAINI
Technical Manager

Testing of Water, Waste Water, Soil, Biological Testing; Monitoring of Ambient Air, Stack Emission,
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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TEST REPORT

To
M/s KUANTUM PAPERS LTD, SAILA KHURD
TEHSIL- GARHSHANKAR, DISTRICT : HOSHIARPUR,
PUNJAB

Customer Reference No.	NA	Report No.	ETL/06072024/1552
Sample Code given by Customer	NA	Report Date	06.07.2024
Type of sample	Ground Water	ULR No.	NA
		Sample Reg No.	ETL/W/29062024/1552
Sample Condition	Satisfactory	Date of Sampling	27.06.2024
Piezometer No.	04	Date of sample receipt	29.06.2024
Sampling Location	Village : Pathlawa	Date of Test Performance	29.06.2024-06.07.2024
Sample Collected By	Mr. K.K Mishra	Quantity	2 Liter
Sampling Procedure	As per SOP	Packing Mode	Plastic Bottle

Discipline: Chemical	Group: Water
Sample Description: Coloureless liquid with some suspended particles	

S.No.	Parameters	Results	Test Method
1	Carbonate (as CO ₃) mg/L	ND	IS: 3025 (Part -23)
2	Bicarbonate(asHCO ₃)mg/L	402	IS: 3025 (Part -23)
3	R.S.C, meq/L	0.60	By Calculation
4	S.A.R.	0.70	By Calculation
5	B.O.D, mg/L	BDL (DL=2)	IS: 3025(Part -44)
6	C.O.D, mg/L	4.3	IS: 3025(Part -55)

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(Authorized Signatory)
AJEET SINGH SAINI
Technical Manager
Environ Tech Laboratories

***END OF REPORT**



Environ Tech Laboratories

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Plot No. C-101, Industrial Area, Phase -VII, Sector-73, Mohali, Punjab- 160059
Mob. 9464000081, 9417220081, 9417210081, (O) 94630-00081, 0172-4630081
GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TC-5879



TEST REPORT

To
M/s KUANTUM PAPERS LTD, SAILA KHURD
TEHSIL- GARHSHANKAR, DISTRICT : HOSHIARPUR,
PUNJAB

Customer Reference No.	NA	Report No.	ETL/06072024/1553
Sample Code given by Customer	NA	Report Date	06.07.2024
Type of sample	Ground Water	ULR No.	TC587924000002634F
		Sample Reg No.	ETL/W/29062024/1553
Sample Condition	Satisfactory	Date of Sampling	27.06.2024
Piezometer No.	05	Date of sample receipt	29.06.2024
Sampling Location	Village : Gujjarpur	Date of Test Performance	29.06.2024-06.07.2024
Sample Collected By	Mr. K.K Mishra	Quantity	2 Liter
Sampling Procedure	As per SOP	Packing Mode	Plastic Bottle

Discipline: Chemical	Group: Water
Sample Description: Clear & Colourless Liquid	

S.No.	Parameters	Results	Test Method
1.	pH	7.12	IS: 3025(Part – 11)
2.	Total Dissolved Solids, mg/l,	432	IS: 3025(Part – 16)
3.	Conductivity micro mhos/cm at 25 ⁰ C	716	IS: 3025 (Part-14)
4.	Alkalinity (as CaCO ₃)mg/l	297	IS: 3025 (Part –23)
5.	Chloride(as Cl),mg/L	11.7	IS: 3025 (Part – 32)
6.	Sulphate(asSO ₄)mg/L	18.8	IS: 3025(Part – 24)
7.	Nitrate (as NO ₃) mg/L	20.2	IS: 3025, (Part-34)
8.	Fluoride (as F) mg/L	0.8	IS: 3025(Part –60)
9.	Calcium (as Ca) mg/L	40.1	IS: 3025 (Part 40)
10.	Magnesium (as Mg) mg/L	46.1	IS: 3025(Part – 46)
11.	Total Hardness (asCaCO ₃) mg/L	290	IS: 3025(Part – 21)
12.	Sodium (as Na) mg/L	28	IS: 3025(Part –45)
13.	Potassium (as K) mg/L	2.8	IS: 3025(Part –45)
14.	Boron (as B) mg/L	BDL (DL=0.1)	IS: 3025(Part –57)

Note BDL: denotes Below Detection Limit DL: denotes Detection Limit

- The test report refers only to tested sample and applicable parameters.
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- The sample will be destroyed after thirty days from the date of issue of test report unless otherwise specified.

END OF REPORT

(Authorized Signatory)
AJEET SINGH SAINI
Technical Manager 1 of 1
Environ Tech Laboratories

Testing of Water, Waste Water, Soil, Biological Testing; Monitoring of Ambient Air, Stack Emission,
Work Zone Monitoring, Noise, Ventilation, LUX & Weather Monitoring
Email : envirotechlab72@yahoo.com | Website : www.envirotechlab.com

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Environ Tech Laboratories

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Plot No. C-101, Industrial Area, Phase -VII, Sector-73, Mohali, Punjab- 160059
Mob. 9464000081, 9417220081, 9417210081, (O) 94630-00081, 0172-4630081
GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TEST REPORT

To
M/s KUANTUM PAPERS LTD, SAILA KHURD
TEHSIL- GARHSHANKAR, DISTRICT : HOSHIARPUR,
PUNJAB

Customer Reference No.	NA	Report No.	ETL/06072024/1553
Sample Code given by Customer	NA	Report Date	06.07.2024
Type of sample	Ground Water	ULR No.	NA
		Sample Reg No.	ETL/W/29062024/1553
Sample Condition	Satisfactory	Date of Sampling	27.06.2024
Piezometer No.	05	Date of sample receipt	29.06.2024
Sampling Location	Village : Gujjarpur	Date of Test Performance	29.06.2024-06.07.2024
Sample Collected By	Mr. K.K. Mishra	Quantity	2 Liter
Sampling Procedure	As per SOP	Packing Mode	Plastic Bottle

Discipline: Chemical	Group: Water
Sample Description: Clear & Colourless Liquid	

	Parameters	Results	Test Method
1	Carbonate (as CO ₃) mg/L	ND	IS: 3025 (Part -23)
2	Bicarbonate(asHCO ₃)mg/L	362	IS: 3025 (Part -23)
3	R.S.C , meq/L	0.14	By Calculation By Calculation
4	S.A.R.	0.72	
5	B.O.D, mg/L	BDL (DL=2)	IS: 3025(Part -44)
6	C.O.D, mg/L	4.32	IS: 3025(Part -55)

Note BDL: denotes Below Detection Limit DL: denotes Detection Limit ND: denotes Not Detectable

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(Authorized Signatory)
AJEET SINGH SAINI
Technical Manager
Environ Tech Laboratories

END OF REPORT



Environ Tech Laboratories

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Plot No. C-101, Industrial Area, Phase -VII, Sector-73, Mohali, Punjab- 160059
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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TC-5879

TEST REPORT



To
M/s KUANTUM PAPERS LTD, SAILA KHURD
TEHSIL- GARHSHANKAR, DISTRICT : HOSHIARPUR,
PUNJAB

Customer Reference No.	NA	Report No.	ETL/06072024/1554
Sample Code given by Customer	NA	Report Date	06.07.2024
Type of sample	Ground Water	ULR No.	TC587924000002635F
		Sample Reg No.	ETL/W/29062024/1554
Sample Condition	Satisfactory	Date of Sampling	27.06.2024
Piezometer No.	06	Date of sample receipt	29.06.2024
Sampling Location	Village : Sunni	Date of Test Performance	29.06.2024-06.07.2024
Sample Collected By	Mr. K.K Mishra	Quantity	2 Liter
Sampling Procedure	As per SOP	Packing Mode	Plastic Bottle

Discipline: Chemical	Group: Water
Sample Description: Clear & Colourless Liquid	

S.No.	Parameters	Results	Test Method
1.	pH	7.26	IS: 3025(Part – 11)
2.	Total Dissolved Solids, mg/l,	460	IS: 3025(Part – 16)
3.	Conductivity micro mhos/cm at 25 ⁰ C	690	IS: 3025 (Part-14)
4.	Alkalinity (as CaCO ₃)mg/l	290	IS: 3025 (Part –23)
5.	Chloride(as Cl),mg/L	29.4	IS: 3025 (Part – 32)
6.	Sulphate(asSO ₄)mg/L	15.8	IS: 3025(Part – 24)
7.	Nitrate (as NO ₃) mg/L	12.5	IS: 3025, (Part-34)
8.	Fluoride (as F) mg/L	0.6	IS: 3025(Part –60)
9.	Calcium (as Ca) mg/L	60.1	IS: 3025 (Part 40)
10.	Magnesium (as Mg) mg/L	31.6	IS: 3025(Part – 46)
11.	Total Hardness (asCaCO ₃) mg/L	280	IS: 3025(Part – 21)
12.	Sodium (as Na) mg/L	32	IS: 3025(Part –45)
13.	Potassium (as K) mg/L	1.4	IS: 3025(Part –45)
14.	Boron (as B) mg/L	BDL (DL=0.1)	IS: 3025(Part –57)

Note BDL: denotes Below Detection Limit

DL: denotes Detection Limit

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END OF REPORT

(Authorized Signatory)

AJEET SINGH SAINI
Page 1 of 1
Technical Manager
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Mob. 9464000081, 9417220081, 9417210081, (O) 94630-00081, 0172-4630081
GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TEST REPORT

To
M/s KUANTUM PAPERS LTD, SAILA KHURD
TEHSIL- GARHSHANKAR , DISTRICT : HOSHIARPUR ,
PUNJAB

Customer Reference No.	NA	Report No.	ETL/06072024/1554
Sample Code given by Customer	NA	Report Date	06.07.2024
Type of sample	Ground Water	ULR No.	NA
		Sample Reg No.	ETL/W/29062024/1554
Sample Condition	Satisfactory	Date of Sampling	27.06.2024
Piezometer No.	06	Date of sample receipt	29.06.2024
Sampling Location	Village : Sunni	Date of Test Performance	29.06.2024-06.07.2024
Sample Collected By	Mr. K.K Mishra	Quantity	2 Liter
Sampling Procedure	As per SOP	Packing Mode	Plastic Bottle

Discipline: Chemical	Group: Water
Sample Description: Clear & Colourless Liquid	

S.No.	Parameters	Results	Test Method
1	Carbonate (as CO ₃) mg/L	ND	IS: 3025 (Part -23)
2	Bicarbonate(asHCO ₃)mg/L	354	IS: 3025 (Part -23)
3	R.S.C , meq/L	0.20	By Calculation
4	S.A.R.	0.83	By Calculation
5	B.O.D, mg/L	BDL (DL=2)	IS: 3025(Part -44)
6	C.O.D, mg/L	4.32	IS: 3025(Part -55)

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Page 1 of 1
Technical Manager
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END OF REPORT



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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TC-5879



TEST REPORT

To
M/s KUANTUM PAPERS LTD, SAILA KHURD
TEHSIL- GARHSHANKAR, DISTRICT : HOSHIARPUR,
PUNJAB

Customer Reference No.	NA	Report No.	ETL/06072024/1555
Sample Code given by Customer	NA	Report Date	06.07.2024
Type of sample	Ground Water	ULR No.	TC587924000002636F
		Sample Reg No.	ETL/W/29062024/1555
Sample Condition	Satisfactory	Date of Sampling	27.06.2024
Piezometer No.	07	Date of sample receipt	29.06.2024
Sampling Location	Village: Majara Dingrian	Date of Test Performance	29.06.2024-06.07.2024
Sample Collected By	Mr. K.K Mishra	Quantity	2 Liter
Sampling Procedure	As per SOP	Packing Mode	Plastic Bottle

Discipline: Chemical	Group: Water
Sample Description: Clear & Colorless liquid	

S.No.	Parameters	Results	Test Method
1	pH	7.11	IS: 3025(Part – 11)
2	Total Dissolved Solids, mg/l,	489	IS: 3025(Part – 16)
3	Conductivity micro mhos/cm at 25°C	780	IS: 3025 (Part-14)
4	Alkalinity (as CaCO ₃)mg/l	352	IS: 3025 (Part –23)
5	Chloride(as Cl),mg/L	31.3	IS: 3025 (Part – 32)
6	Sulphate(as SO ₄)mg/L	15.8	IS: 3025(Part – 24)
7	Nitrate (as NO ₃) mg/L	25.4	IS: 3025, (Part-34)
8	Fluoride (as F) mg/L	0.32	IS: 3025(Part –60)
9	Calcium (as Ca) mg/L	72.1	IS: 3025 (Part 40)
10	Magnesium (as Mg) mg/L	29.2	IS: 3025(Part – 46)
11	Total Hardness (as CaCO ₃) mg/L	300	IS: 3025(Part – 21)
12	Sodium (as Na) mg/L	60	IS: 3025(Part –45)
13	Potassium (as K) mg/L	2.6	IS: 3025(Part –45)
14	Boron (as B) mg/L	BDL (DL=0.1)	IS: 3025(Part –57)

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(Authorized Signatory)

AJEET SINGH SAINT

Technical Manager
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Mob. 9464000081, 9417220081, 9417210081, (O) 94630-00081, 0172-4630081
GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TEST REPORT

To
M/s KUANTUM PAPERS LTD, SAILA KHURD
TEHSIL- GARHSHANKAR, DISTRICT : HOSHIARPUR,
PUNJAB

Customer Reference No.	NA	Report No.	ETL/06072024/1555
Sample Code given by Customer	NA	Report Date	06.07.2024
Type of sample	Ground Water	ULR No.	NA
		Sample Reg No.	ETL/W/29062024/1555
Sample Condition	Satisfactory	Date of Sampling	27.06.2024
Piezometer No.	07	Date of sample receipt	29.06.2024
Sampling Location	Village: Majara Dingrian	Date of Test Performance	29.06.2024-06.07.2024
Sample Collected By	Mr. K.K Mishra	Quantity	2 Liter
Sampling Procedure	As per SOP	Packing Mode	Plastic Bottle

Discipline: Chemical	Group: Water
Sample Description: Clear & Colorless liquid	

S.No.	Parameters	Results	Test Method
1	Carbonate (as CO ₃) mg/L	ND	IS: 3025 (Part -23)
2	Bicarbonate (as HCO ₃) mg/L	429	IS: 3025 (Part -23)
3	R.S.C, meq/L	1.04	By Calculation
4	S.A.R.	1.51	By Calculation
5	B.O.D, mg/L	BDL (DL=2)	IS: 3025 (Part -44)
6	C.O.D, mg/L	4.80	IS: 3025 (Part -55)

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END OF REPORT

(Authorized Signatory)
AJEET SINGH SAINI
Technical Manager
Environ Tech Laboratories
Page 1 of 1



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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TC-5879



TEST REPORT

To
M/s KUANTUM PAPERS LTD, SAILA KHURD
TEHSIL- GARHSHANKAR, DISTRICT : HOSHIARPUR,
PUNJAB

Customer Reference No.	NA	Report No.	ETL/06072024/1556
Sample Code given by Customer	NA	Report Date	06.07.2024
Type of sample	Ground Water	ULR No.	TC587924000002637F
		Sample Reg No.	ETL/W/29062024/1556
Sample Condition	Satisfactory	Date of Sampling	27.06.2024
Piezometer No.	08	Date of sample receipt	29.06.2024
Sampling Location	Village : Pensera	Date of Test Performance	29.06.2024-06.07.2024
Sample Collected By	Mr.K.K.Mishra	Quantity	2 Liter
Sampling Procedure	As per SOP	Packing Mode	Plastic Bottle

Discipline: Chemical	Group: Water
Sample Description: Clear & Colorless liquid	

S.No.	Parameters	Results	Test Method
1	pH	7.47	IS: 3025(Part – 11)
2	Total Dissolved Solids, mg/l,	440	IS: 3025(Part – 16)
3	Conductivity micro mhos/cm at 25 ⁰ C	680	IS: 3025 (Part-14)
4	Alkalinity (as CaCO ₃)mg/l	352	IS: 3025 (Part –23)
5	Chloride(as Cl),mg/L	15.7	IS: 3025 (Part – 32)
6	Sulphate(as SO ₄)mg/L	6.8	IS: 3025(Part – 24)
7	Nitrate (as NO ₃) mg/L	3.3	IS: 3025, (Part-34)
8	Fluoride (as F) mg/L	0.60	IS: 3025(Part –60)
9	Calcium (as Ca) mg/L	70.5	IS: 3025 (Part 40)
10	Magnesium (as Mg) mg/L	30.1	IS: 3025(Part – 46)
11	Total Hardness (as CaCO ₃) mg/L	300	IS: 3025(Part – 21)
12	Sodium (as Na) mg/L	32	IS: 3025(Part –45)
13	Potassium (as K) mg/L	1.5	IS: 3025(Part –45)
14.	Boron (as B) mg/L	BDL (DL=0.1)	IS: 3025(Part –57)

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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TEST REPORT

To
M/s KUANTUM PAPERS LTD, SAILA KHURD
TEHSIL- GARHSHANKAR, DISTRICT : HOSHIARPUR,
PUNJAB

Customer Reference No.	NA	Report No.	ETL/06072024/1556
Sample Code given by Customer	NA	Report Date	06.07.2024
Type of sample	Ground Water	ULR No.	NA
		Sample Reg No.	ETL/W/29062024/1556
Sample Condition	Satisfactory	Date of Sampling	27.06.2024
Piezometer No.	08	Date of sample receipt	29.06.2024
Sampling Location	Village : Pensera	Date of Test Performance	29.06.2024-06.07.2024
Sample Collected By	Mr. K.K Mishra	Quantity	2 Liter
Sampling Procedure	As per SOP	Packing Mode	Plastic Bottle

Discipline: Chemical Group: Water

Sample Description: Clear & Colorless liquid

S.No.	Parameters	Results	Test Method
1	Carbonate (as CO ₃) mg/L	ND	IS: 3025 (Part -23)
2	Bicarbonate(asHCO ₃)mg/L	429	IS: 3025 (Part -23)
3	R.S.C, meq/L	1.04	By Calculation
4	S.A.R.	0.80	By Calculation
5	B.O.D, mg/L	BDL (DL=2)	IS: 3025(Part -44)
6	C.O.D, mg/L	BDL (DL=4)	IS: 3025(Part -55)

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DL: denotes Detection Limit

ND: denotes Not Detectable

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Page 1 of 1
Technical Manager
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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TC-5879



TEST REPORT

To
M/s KUANTUM PAPERS LTD, SAILA KHURD
TEHSIL- GARHSHANKAR, DISTRICT : HOSHIARPUR,
PUNJAB

Customer Reference No.	NA	Report No.	ETL/06072024/1557
Sample Code given by Customer	NA	Report Date	06.07.2024
Type of sample	Ground Water	ULR No.	TC587924000002638F
		Sample Reg No.	ETL/W/29062024/1557
Sample Condition	Satisfactory	Date of Sampling	27.06.2024
Piezometer No.	09	Date of sample receipt	29.06.2024
Sampling Location	Village : Saila Kalan	Date of Test Performance	29.06.2024-06.07.2024
Sample Collected By	Mr. K.K Mishra	Quantity	2 Liter
Sampling Procedure	As per SOP	Packing Mode	Plastic Bottle

Discipline: Chemical

Group: Water

Sample Description: Clear & Colorless liquid

S.No.	Parameters	Results	Test Method
1.	pH	7.72	IS: 3025(Part – 11)
2.	Total Dissolved Solids, mg/l,	424	IS: 3025(Part – 16)
3.	Conductivity micro mhos/cm at 25°C	638	IS: 3025 (Part-14)
4.	Alkalinity (as CaCO ₃)mg/l	297	IS: 3025 (Part –23)
5.	Chloride(as Cl),mg/L	27.4	IS: 3025 (Part – 32)
6.	Sulphate(as SO ₄)mg/L	20.5	IS: 3025(Part – 24)
7.	Nitrate (as NO ₃) mg/L	5.5	IS: 3025, (Part-34)
8.	Fluoride (as F) mg/L	0.2	IS: 3025(Part –60)
9.	Calcium (as Ca) mg/L	64	IS: 3025 (Part 40)
10.	Magnesium (as Mg) mg/L	34	IS: 3025(Part – 46)
11.	Total Hardness (as CaCO ₃) mg/L	300	IS: 3025(Part – 21)
12.	Sodium (as Na) mg/L	28	IS: 3025(Part –45)
13.	Potassium (as K) mg/L	1.5	IS: 3025(Part –45)
14.	Boron (as B) mg/L	BDL (DL=0.1)	IS: 3025(Part –57)

Note

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(Authorized Signatory)

AJEET SINGH
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Testing of Water, Waste Water, Soil, Biological Testing, Monitoring of Ambient Air, Stack Emission

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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TEST REPORT

To
M/s KUANTUM PAPERS LTD, SAILA KHURD
TEHSIL- GARHSHANKAR , DISTRICT : HOSHIARPUR ,
PUNJAB

Customer Reference No.	NA	Report No.	ETL/06072024/1557
Sample Code given by Customer	NA	Report Date	06.07.2024
Type of sample	Ground Water	ULR No.	NA
		Sample Reg No.	ETL/W/29062024/1557
Sample Condition	Satisfactory	Date of Sampling	28.06.2024
Piezometer No.	09	Date of sample receipt	29.06.2024
Sampling Location	Village : Saila Kalan	Date of Test Performance	29.06.2024-06.07.2024
Sample Collected By	Mr. K.K Mishra	Quantity	2 Liter
Sampling Procedure	As per SOP	Packing Mode	Plastic Bottle

Group: Water

Discipline: Chemical

Sample Description: Clear & Colorless liquid

S.No.	Parameters	Results	Test Method
1	Carbonate (as CO ₃) mg/L	ND	IS: 3025 (Part -23)
2	Bicarbonate (as HCO ₃) mg/L	362	IS: 3025 (Part -23)
3	R.S.C , meq/L	-0.06	By Calculation
4	S.A.R.	0.70	By Calculation
5	B.O.D, mg/L	BDL (DL=2)	IS: 3025 (Part -44)
6	C.O.D, mg/L	BDL (DL=4)	IS: 3025 (Part -55)

Not: BDL: denotes Below Detection Limit

DL: denotes Detection Limit

ND: denotes Not Detectable

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END OF REPORT

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AJEET SINGH SAINI
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Technical Manager
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Mob. 9464000081, 9417220081, 9417210081, (O) 94630-00081, 0172-4630081
GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TEST REPORT

To
M/s KUNTUM PAPERS LTD, SAILA KHURD
TEHSIL- GARHSHANKAR, DISTRICT : HOSHIARPUR,
PUNJAB

Customer Reference No.	NA	Report No.	ETL/06072024/1558
Sample Code given by Customer	NA	Report Date	06.07.2024
Type of sample	Ground Water	ULR No.	TC587924000002639F
		Sample Reg No.	ETL/W/29062024/1558
Sample Condition	Satisfactory	Date of Sampling	28.06.2024
Piezometer No.	10	Date of sample receipt	29.06.2024
Sampling Location	Village : Tuto Majara	Date of Test Performance	29.06.2024-06.07.2024
Sample Collected By	Mr. K.K Mishra	Quantity	2 Liter
Sampling Procedure	As per SOP	Packing Mode	Plastic Bottle

Discipline: Chemical Group: Water
Sample Description: Colorless liquid with some suspended particles

S.No.	Parameters	Results	Test Method
1.	pH	6.93	IS: 3025(Part – 11)
2.	Total Dissolved Solids, mg/l,	460	IS: 3025(Part – 16)
3.	Conductivity micro mhos/cm at 25°C	748	IS: 3025 (Part-14)
4	Alkalinity (as CaCO ₃)mg/l	330	IS: 3025 (Part –23)
5	Chloride(as Cl),mg/L	35.2	IS: 3025 (Part – 32)
6	Sulphate(asSO ₄)mg/L	22.2	IS: 3025(Part – 24)
7	Nitrate (as NO ₃) mg/L	19.6	IS: 3025, (Part-34)
8	Fluoride (as F) mg/L	0.9	IS: 3025(Part –60)
9	Calcium (as Ca) mg/L	60.1	IS: 3025 (Part 40)
10	Magnesium (as Mg) mg/L	36.4	IS: 3025(Part – 46)
11	Total Hardness (asCaCO ₃) mg/L	300	IS: 3025(Part – 21)
12	Sodium (as Na) mg/L	48	IS: 3025(Part –45)
13	Potassium (as K) mg/L	3.4	IS: 3025(Part –45)
14	Boron (as B) mg/L	BDL (DL=0.1)	IS: 3025(Part –57)

- Note : BDL: denotes Below Detection Limit DL: denotes Detection Limit
- The test report refers only to tested sample and applicable parameters.
 - This report can neither be used as evidence in the court of law nor can it be used in part or full in any media without prior permission.
 - The sample will be destroyed after thirty days from the date of issue of test report unless otherwise specified.

(Authorized Signatory)



Environ Tech Laboratories

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Plot No. C-101, Industrial Area, Phase -VII, Sector-73, Mohali, Punjab- 160059
Mob. 9464000081, 9417220081, 9417210081, (O) 94630-00081, 0172-4630081
GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TEST REPORT

To
M/s KUANTUM PAPERS LTD, SAILA KHURD
TEHSIL- GARHSHANKAR , DISTRICT : HOSHIARPUR ,
PUNJAB

Customer Reference No.	NA	Report No.	ETL/06072024/1558
Sample Code given by Customer	NA	Report Date	06.07.2024
Type of sample	Ground Water	ULR No.	NA
		Sample Reg No.	ETL/W/29062024/1558
Sample Condition	Satisfactory	Date of Sampling	28.06.2024
Piezometer No.	10	Date of sample receipt	29.06.2024
Sampling Location	Village : Tuto Majara	Date of Test Performance	29.06.2024-06.07.2024
Sample Collected By	Mr. K.K Mishra	Quantity	2 Liter
Sampling Procedure	As per SOP	Packing Mode	Plastic Bottle

Discipline: Chemical

Group: Water

Sample Description: Colorless liquid with some suspended particles

S.No.	Parameters	Results	Test Method
1	Carbonate (as CO ₃) mg/L	ND	IS: 3025 (Part -23)
2	Bicarbonate(asHCO ₃)mg/L	402	IS: 3025 (Part -23)
3	R.S.C , meq/L	0.60	By Calculation
4	S.A.R.	1.21	By Calculation
5	B.O.D, mg/L	BDL (DL=2)	IS: 3025(Part -44)
6	C.O.D, mg/L	4.0	IS: 3025(Part -55)

Note : BDL: denotes Below Detection Limit

DL: denotes Detection Limit

ND= Not Detected

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- The sample will be destroyed after thirty days from the date of issue of test report unless otherwise specified.

(Authorized Signatory)

AJEET SINGH
Technical Manager
Environ Tech Laboratories

END OF REPORT



Environ Tech Laboratories

CPCB Recognized under EPA, 1986; ISO 9001:2015; OHSAS ISO 45001:2018

Plot No. C-101, Industrial Area, Phase -VII, Sector-73, Mohali, Punjab- 160059
Mob. 9464000081, 9417220081, 9417210081, (O) 94630-00081, 0172-4630081
GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TC-5879



TEST REPORT

To
M/s KUANTUM PAPERS LTD, SAILA KHURD
TEHSIL- GARHSHANKAR, DISTRICT : HOSHIARPUR,
PUNJAB

Customer Reference No.	NA	Report No.	ETL/06072024/1559
Sample Code given by Customer	NA	Report Date	06.07.2024
Type of sample	Ground Water	ULR No.	TC587924000002640F
Sample Condition	Satisfactory	Sample Reg No.	ETL/W/29062024/1559
Piezometer No.	11	Date of Sampling	28.06.2024
Sampling Location	Village : Gandowal	Date of sample receipt	29.06.2024
Sample Collected By	Mr. K.K Mishra	Date of Test Performance	29.06.2024-06.07.2024
Sampling Procedure	As per SOP	Quantity	2 Liter
		Packing Mode	Plastic Bottle

Group: Water

Discipline: Chemical

Sample Description: Colorless liquid with settled soil particles

S.No.	Parameters	Results	Test Method
1.	pH	7.09	IS: 3025(Part – 11)
2.	Total Dissolved Solids, mg/l,	498	IS: 3025(Part – 16)
3.	Conductivity micro mhos/cm at 25°C	753	IS: 3025 (Part-14)
4.	Alkalinity (as CaCO ₃)mg/l	352	IS: 3025 (Part –23)
5.	Chloride(as Cl),mg/L	17.6	IS: 3025 (Part – 32)
6.	Sulphate(asSO ₄)mg/L	8.8	IS: 3025(Part – 24)
7.	Nitrate (as NO ₃) mg/L	1.6	IS: 3025, (Part-34)
8.	Fluoride (as F) mg/L	0.31	IS: 3025(Part –60)
9.	Calcium (as Ca) mg/L	64.1	IS: 3025 (Part 40)
10.	Magnesium (as Mg) mg/L	36.4	IS: 3025(Part – 46)
11.	Total Hardness (asCaCO ₃) mg/L	310	IS: 3025(Part – 21)
12.	Sodium (as Na) mg/L	32	IS: 3025(Part –45)
13.	Potassium (as K) mg/L	2.4	IS: 3025(Part –45)
14.	Boron (as B) mg/L	BDL (DL=0.1)	IS: 3025(Part –57)

Note : BDL: denotes Below Detection Limit

DL: denotes Detection Limit

- The test report refers only to tested sample and applicable parameters.
- This report can neither be used as evidence in the court of law nor can it be used in part or full in any media without prior permission.
- The sample will be destroyed after thirty days from the date of issue of test report unless otherwise specified.

(Authorized Signatory)

AJEET SINGH SAINI

Technical Manager

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Testing of Water, Waste Water, Soil, Biological Testing, Monitoring of Ambient Air, Stack Emission

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Environ Tech Laboratories

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Mob. 9464000081, 9417220081, 9417210081, (O) 94630-00081, 0172-4630081

GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TEST REPORT

To
M/s KUANTUM PAPERS LTD, SAILA KHURD
TEHSIL- GARHSHANKAR , DISTRICT : HOSHIARPUR ,
PUNJAB

Customer Reference No.	NA	Report No.	ETL/06072024/1559
Sample Code given by Customer	NA	Report Date	06.07.2024
Type of sample	Ground Water	ULR No.	NA
Sample Condition	Satisfactory	Sample Reg No.	ETL/W/29062024/1559
Piezometer No.	11	Date of Sampling	28.06.2024
Sampling Location	Village : Gandowal	Date of sample receipt	29.06.2024
Sample Collected By	Mr. K.K Mishra	Date of Test Performance	29.06.2024-06.07.2024
Sampling Procedure	As per SOP	Quantity	2 Liter
		Packing Mode	Plastic Bottle

Discipline: Chemical

Group: Water

Sample Description: Colorless liquid with settled soil particles

S.No.	Parameters	Results	Test Method
1	Carbonate (as CO ₃) mg/L	ND	IS: 3025 (Part -23)
2	Bicarbonate(asHCO ₃)mg/L	429	IS: 3025 (Part -23)
3	R.S.C , meq/L	0.84	By Calculation
4	S.A.R.	0.79	By Calculation
5	B.O.D, mg/L	BDL (DL=2)	IS: 3025(Part -44)
6	C.O.D, mg/L	BDL (DL=4)	IS: 3025(Part -55)

Note : BDL: denotes Below Detection Limit

DL: denotes Detection Limit

ND: denotes Not Detectable

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END OF REPORT


(Authorized Signatory)

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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TC-5879



TEST REPORT

To
M/s KUANTUM PAPERS LTD, SAILA KHURD
TEHSIL- GARHSHANKAR, DISTRICT : HOSHIARPUR,
PUNJAB

Customer Reference No.	NA	Report No.	ETL/06072024/1560
Sample Code given by Customer	NA	Report Date	06.07.2024
Type of sample	Ground Water	ULR No.	TC587924000002641F
		Sample Reg No.	ETL/W/29062024/1560
Sample Condition	Satisfactory	Date of Sampling	28.06.2024
Piezometer No.	12	Date of sample receipt	29.06.2024
Sampling Location	Nariyala	Date of Test Performance	29.06.2024-06.07.2024
Sample Collected By	Mr. K.K Mishra	Quantity	2 Liter
Sampling Procedure	As per SOP	Packing Mode	Plastic Bottle

Group: Water

Discipline: Chemical

Sample Description: Colorless liquid with some suspended particles

S.No.	Parameters	Results	Test Method
1.	pH	7.25	IS: 3025(Part – 11)
2.	Total Dissolved Solids, mg/l,	441	IS: 3025(Part – 16)
3.	Conductivity micro mhos/cm at 25°C	688	IS: 3025 (Part-14)
6.	Alkalinity (as CaCO ₃)mg/l	330	IS: 3025 (Part –23)
7.	Chloride(as Cl),mg/L	15.7	IS: 3025 (Part – 32)
8.	Sulphate(asSO ₄)mg/L	11.8	IS: 3025(Part – 24)
9.	Nitrate (as NO ₃) mg/L	1.9	IS: 3025, (Part-34)
10.	Fluoride (as F) mg/L	0.7	IS: 3025(Part –60)
11.	Calcium (as Ca) mg/L	64.1	IS: 3025 (Part 40)
12.	Magnesium (as Mg) mg/L	31.6	IS: 3025(Part – 46)
13.	Total Hardness (asCaCO ₃) mg/L	290	IS: 3025(Part – 21)
14.	Sodium (as Na) mg/L	32	IS: 3025(Part –45)
15.	Potassium (as K) mg/L	2.4	IS: 3025(Part –45)
16.	Boron (as B) mg/L	BDL (DL=0.1)	IS: 3025(Part –57)

Note

BDL: denotes Below Detection Limit DL: denotes Detection Limit

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(Authorized Signatory)

AJEET SINGH SADI
Technical Manager
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Mob. 9464000081, 9417220081, 9417210081, (O) 94630-00081, 0172-4630081
GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TEST REPORT

To
M/s KUANTUM PAPERS LTD, SAILA KHURD
TEHSIL- GARHSHANKAR , DISTRICT : HOSHIARPUR ,
PUNJAB

Customer Reference No.	NA	Report No.	ETL/06072024/1560
Sample Code given by Customer	NA	Report Date	06.07.2024
Type of sample	Ground Water	ULR No.	NA
		Sample Reg No.	ETL/W/29062024/1560
Sample Condition	Satisfactory	Date of Sampling	28.06.2024
Piezometer No.	12	Date of sample receipt	29.06.2024
Sampling Location	Nariyala	Date of Test Performance	29.06.2024-06.07.2024
Sample Collected By	Mr. K.K Mishra	Quantity	2 Liter
Sampling Procedure	As per SOP	Packing Mode	Plastic Bottle

Discipline: Chemical

Group: Water

Sample Description: Colorless liquid with some suspended particles

S.No.	Parameters	Results	Test Method
1	Carbonate (as CO ₃) mg/L	ND	IS: 3025 (Part -23)
2	Bicarbonate(asHCO ₃)mg/L	402	IS: 3025 (Part -23)
3	R.S.C , meq/L	0.80	By Calculation
4	S.A.R.	0.82	By Calculation
5	B.O.D, mg/L	2.1	IS: 3025(Part -44)
6	C.O.D, mg/L	5.48	IS: 3025(Part -55)

ND: denotes Not Detectable

Note

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(Authorized Signatory)

AJEET SINGH SAINI
Technical Manager
Environ Tech Laboratories

END OF REPORT



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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TEST REPORT

To
M/s KUANTUM PAPERS LTD, SAILA KHURD
TEHSIL- GARHSHANKAR, DISTRICT : HOSHIARPUR,
PUNJAB

Customer Reference No.	NA	Report No.	ETL/06072024/1561
Sample Code given by Customer	NA	Report Date	06.07.2024
Type of sample	Ground Water	ULR No.	TC587924000002642F
		Sample Reg No.	ETL/W/29062024/1561
Sample Condition	Satisfactory	Date of Sampling	28.06.2024
Piezometer No.	13	Date of sample receipt	29.06.2024
Sampling Location	Inside Factory	Date of Test Performance	29.06.2024-06.07.2024
Sample Collected By	Mr. K.K Mishra)	Quantity	2 Liter
Sampling Procedure	As per SOP	Packing Mode	Plastic Bottle

Discipline: Chemical

Group: Water

Sample Description: Clear & Colorless water

S.No.	Parameters	Results	Test Method
1.	pH	7.29	IS: 3025(Part – 11)
2.	Total Dissolved Solids, mg/l,	444	IS: 3025(Part – 16)
3.	Conductivity micro mhos/cm at 25°C	668	IS: 3025 (Part-14)
4	Alkalinity (as CaCO ₃)mg/l	300	IS: 3025 (Part –23)
5	Chloride(as Cl),mg/L	19.6	IS: 3025 (Part – 32)
6	Sulphate(asSO ₄)mg/L	9.8	IS: 3025(Part – 24)
7	Nitrate (as NO ₃) mg/L	2.2	IS: 3025, (Part-34)
8	Fluoride (as F) mg/L	0.72	IS: 3025(Part –60)
9	Calcium (as Ca) mg/L	48.1	IS: 3025 (Part 40)
10	Magnesium (as Mg) mg/L	36.4	IS: 3025(Part – 46)
11	Total Hardness (asCaCO ₃) mg/L	270	IS: 3025(Part – 21)
12	Sodium (as Na) mg/L	30	IS: 3025(Part –45)
13	Potassium (as K) mg/L	2.4	IS: 3025(Part –45)
14	Boron (as B) mg/L	BDL (DL=0.1)	IS: 3025(Part –57)

Note : BDL: denotes Below Detection Limit DL: denotes Detection Limit

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(Authorized Signatory)
AJEET SINGH SAINI
Technical Manager
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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TEST REPORT

To
M/s KUANTUM PAPERS LTD, SAILA KHURD
TEHSIL- GARHSHANKAR, DISTRICT : HOSHIARPUR,
PUNJAB

Customer Reference No.	NA	Report No.	ETL/06072024/1561
Sample Code given by Customer	NA	Report Date	06.07.2024
Type of sample	Ground Water	ULR No.	NA
		Sample Reg No.	ETL/W/29062024/1561
Sample Condition	Satisfactory	Date of Sampling	28.06.2024
Piezometer No.	13	Date of sample receipt	29.06.2024
Sampling Location	Inside Factory	Date of Test Performance	29.06.2024-06.07.2024
Sample Collected By	Mr. K.K Mishra	Quantity	2 Liter
Sampling Procedure	As per SOP	Packing Mode	Plastic Bottle

Discipline: Chemical	Group: Water
Sample Description: Clear & Colorless water	

S.No.	Parameters	Results	Test Method
1	Carbonate (as CO ₃) mg/L	ND	IS: 3025 (Part -23)
2	Bicarbonate(asHCO ₃)mg/L	366	IS: 3025 (Part -23)
3	R.S.C, meq/L	0.60	By Calculation
4	S.A.R.	0.79	By Calculation
5	B.O.D, mg/L	3.9	IS: 3025(Part -44)
6	C.O.D, mg/L	6.48	IS: 3025(Part -55)

ND: denotes Not Detectable

Note :

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(Authorized Signatory)

AJEET SINGH SAINI
Technical Manager
Environ Tech Laboratories

END OF REPORT

Testing of Water, Waste Water, Soil, Biological Testing; Monitoring of Ambient Air, Stack Emission,
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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TC-5879



TEST REPORT

To
M/s KUANTUM PAPERS LTD, SAILA KHURD
TEHSIL- GARHSHANKAR, DISTRICT : HOSHIARPUR,
PUNJAB

Customer Reference No.	NA	Report No.	ETL/06072024/1562
Sample Code given by Customer	NA	Report Date	06.07.2024
Type of sample	Ground Water	ULR No.	TC587924000002643F
		Sample Reg No.	ETL/W/29062024/1562
Sample Condition	Satisfactory	Date of Sampling	28.06.2024
Piezometer No.	14	Date of sample receipt	29.06.2024
Sampling Location	Near Canteen (Inside Factory)	Date of Test Performance	29.06.2024-06.07.2024
Sample Collected By	Mr. K.K Mishra	Quantity	2 Liter
Sampling Procedure	As per SOP	Packing Mode	Plastic Bottle

Group: Water

Discipline: Chemical

Sample Description: Clear liquid with some suspended particles

S.No.	Parameters	Results	Test Method
1.	pH	7.32	IS: 3025(Part – 11)
2.	Total Dissolved Solids, mg/l,	412	IS: 3025(Part – 16)
3.	Conductivity micro mhos/cm at 25°C	616	IS: 3025 (Part-14)
4.	Alkalinity (as CaCO ₃)mg/l	308	IS: 3025 (Part –23)
5.	Chloride(as Cl),mg/L	19.6	IS: 3025 (Part – 32)
6.	Sulphate(as SO ₄)mg/L	4.5	IS: 3025(Part – 24)
7.	Nitrate (as NO ₃) mg/L	1.2	IS: 3025, (Part-34)
8.	Fluoride (as F) mg/L	0.55	IS: 3025(Part –60)
9.	Calcium (as Ca) mg/L	56.1	IS: 3025 (Part 40)
10.	Magnesium (as Mg) mg/L	34.0	IS: 3025(Part – 46)
11.	Total Hardness (as CaCO ₃) mg/L	280	IS: 3025(Part – 21)
12.	Sodium (as Na) mg/L	24	IS: 3025(Part –45)
13.	Potassium (as K) mg/L	2.2	IS: 3025(Part –45)
14.	Boron (as B) mg/L	BDL (DL=0.1)	IS: 3025(Part –57)

Note: BDL: denotes Below Detection Limit

DL: denotes Detection Limit

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(Authorized Signatory)

AJEET SINGH SAINI
Technical Manager
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Mob. 9464000081, 9417220081, 9417210081, (O) 94630-00081, 0172-4630081
GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TEST REPORT

To
M/s KUANTUM PAPERS LTD, SAILA KHURD
TEHSIL- GARHSHANKAR , DISTRICT : HOSHIARPUR ,
PUNJAB

Customer Reference No.	NA	Report No.	ETL/06072024/1562
Sample Code given by Customer	NA	Report Date	06.07.2024
Type of sample	Ground Water	ULR No.	NA
		Sample Reg No.	ETL/W/29062024/1562
Sample Condition	Satisfactory	Date of Sampling	28.06.2024
Piezometer No.	14	Date of sample receipt	29.06.2024
Sampling Location	Near Canteen (Inside Factory)	Date of Test Performance	29.06.2024-06.07.2024
Sample Collected By	Mr. K.K Mishra	Quantity	2 Liter
Sampling Procedure	As per SOP	Packing Mode	Plastic Bottle

Discipline: Chemical	Group: Water
Sample Description: Clear liquid with some suspended particles	

S.No.	Parameters	Results	Test Method
1	Carbonate (as CO ₃) mg/L	ND	IS: 3025 (Part -23)
2	Bicarbonate(asHCO ₃)mg/L	376	IS: 3025 (Part -23)
3	R.S.C , meq/L	0.56	By Calculation
4	S.A.R.	0.62	By Calculation
5	B.O.D, mg/L	2.1	IS: 3025(Part -44)
6	C.O.D, mg/L	4.32	IS: 3025(Part -55)

Note:

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ND: denotes Not Detectable




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AJEET SINGH SAINI
Page 1 of 1
Technical Manager
Environ Tech Laboratories

END OF REPORT



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Plot No. C-101, Industrial Area, Phase -VII, Sector-73, Mohali, Punjab- 160059
Mob. 9464000081, 9417220081, 9417210081, (O) 94630-00081, 0172-4630081
GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TC-5879



TEST REPORT

To
M/s KUNTUM PAPERS LTD, SAILA KHURD
TEHSIL- GARHSHANKAR, DISTRICT : HOSHIARPUR,
PUNJAB

Customer Reference No.	NA	Report No.	ETL/06072024/1563
Sample Code given by Customer	NA	Report Date	06.07.2024
Type of sample	Ground Water	ULR No.	TC587924000002644F
		Sample Reg No.	ETL/W/29062024/1563
Sample Condition	Satisfactory	Date of Sampling	28.06.2024
Piezometer No.	15	Date of sample receipt	29.06.2024
Sampling Location	Near Security Gate (Wheat Straw Yard)	Date of Test Performance	29.06.2024-06.07.2024
Sample Collected By	Mr. K.K Mishra	Quantity	2 Liter
Sampling Procedure	As per SOP	Packing Mode	Plastic Bottle

Discipline: Chemical

Group: Water

Sample Description: Clear & Colourless Liquid

S.No.	Parameters	Results	Test Method
1.	pH	7.44	IS: 3025(Part – 11)
2.	Total Dissolved Solids, mg/l,	462	IS: 3025(Part – 16)
3.	Conductivity micro mhos/cm at 25°C	720	IS: 3025 (Part-14)
4.	Alkalinity (as CaCO ₃)mg/l	300	IS: 3025 (Part –23)
5.	Chloride(as Cl),mg/L	64.6	IS: 3025 (Part – 32)
6.	Sulphate(as SO ₄)mg/L	6.1	IS: 3025(Part – 24)
7.	Nitrate (as NO ₃) mg/L	3.5	IS: 3025, (Part-34)
8.	Fluoride (as F) mg/L	0.52	IS: 3025(Part –60)
9.	Calcium (as Ca) mg/L	60.1	IS: 3025 (Part 40)
10.	Magnesium (as Mg) mg/L	41.3	IS: 3025(Part – 46)
11.	Total Hardness (as CaCO ₃) mg/L	320	IS: 3025(Part – 21)
12.	Sodium (as Na) mg/L	34	IS: 3025(Part –45)
13.	Potassium (as K) mg/L	2.2	IS: 3025(Part –45)
14.	Boron (as B) mg/L	BDL (DL=0.1)	IS: 3025(Part –57)

Note

BDL: denotes Below Detection Limit

DL: denotes Detection

- The test report refers only to tested sample and applicable parameters.
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- The sample will be destroyed after thirty days from the date of issue of test report unless otherwise specified.

(Authorized Signatory)
AJEET SINGH SAINT
Technical Manager
Environ Tech Laboratories

Testing of Water, Waste Water, Soil, Biological Testing, Ambient Air, Stack Emission

Work Zone Monitoring, Noise, Ventilation, LUX & Weather Monitoring

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Plot No. C-101, Industrial Area, Phase -VII, Sector-73, Mohali, Punjab- 160059
Mob. 9464000081, 9417220081, 9417210081, (O) 94630-00081, 0172-4630081
GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TEST REPORT

To
M/s KUANTUM PAPERS LTD, SAILA KHURD
TEHSIL- GARHSHANKAR , DISTRICT : HOSHIARPUR ,
PUNJAB

Customer Reference No.	NA	Report No.	ETL/06072024/1563
Sample Code given by Customer	NA	Report Date	06.07.2024
Type of sample	Ground Water	ULR No.	NA
		Sample Reg No.	ETL/W/29062024/1563
Sample Condition	Satisfactory	Date of Sampling	28.06.2024
Piezometer No.	15	Date of sample receipt	29.06.2024
Sampling Location	Near Security Gate (Wheat Straw Yard)	Date of Test Performance	29.06.2024-06.07.2024
Sample Collected By	Mr. K.K Mishra	Quantity	2 Liter
Sampling Procedure	As per SOP	Packing Mode	Plastic Bottle

Discipline: Chemical	Group: Water
Sample Description:	Clear& Colouless Liquid

S.No.	Parameters	Results	Test Method
1	Carbonate (as CO ₃) mg/L	ND	IS: 3025 (Part -23)
2	Bicarbonate(asHCO ₃)mg/L	360	IS: 3025 (Part -23)
3	R.S.C , meq/L	-0.40	By Calculation
4	S.A.R.	0.83	By Calculation
5	B.O.D, mg/L	BDL (DL=2)	IS: 3025(Part -44)
6	C.O.D, mg/L	BDL (DL=4)	IS: 3025(Part -55)

Note BDL: denotes Below Detection Limit DL: denotes Detection Limit ND: denotes Not Detected

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AJEET SINGH SAINTI
Technical Manager
Environ Tech Laboratories

END OF REPORT



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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TEST REPORT

To
M/s KUANTUM PAPERS LTD, SAILA KHURD
TEHSIL- GARHSHANKAR, DISTRICT : HOSHIARPUR,
PUNJAB

Customer Reference No.	NA	Report No.	ETL/06072024/1564
Sample Code given by Customer	NA	Report Date	06.07.2024
Type of sample	Ground Water	ULR No.	TC587924000002645F
		Sample Reg No.	ETL/W/29062024/1564
Sample Condition	Satisfactory	Date of Sampling	28.06.2024
Piezometer No.	16	Date of sample receipt	29.06.2024
Sampling Location	Near Tubewell No.12 (Inside factory)	Date of Test Performance	29.06.2024-06.07.2024
Sample Collected By	Mr. K.K Mishra	Quantity	2 Liter
Sampling Procedure	As per SOP	Packing Mode	Plastic Bottle

Discipline: Chemical

Group: Water

Sample Description: Clear & Colourless liquid

S.No.	Parameters	Results	Test Method
1.	pH	7.15	IS: 3025(Part – 11)
2.	Total Dissolved Solids, mg/l,	446	IS: 3025(Part – 16)
3.	Conductivity micro mhos/cm at 25°C	670	IS: 3025 (Part–14)
4.	Alkalinity (as CaCO ₃)mg/l	310	IS: 3025 (Part –23)
5.	Chloride(as Cl),mg/L	15.7	IS: 3025 (Part – 32)
6.	Sulphate(as SO ₄)mg/L	5.4	IS: 3025(Part – 24)
7.	Nitrate (as NO ₃) mg/L	4.4	IS: 3025, (Part-34)
8.	Fluoride (as F) mg/L	0.32	IS: 3025(Part –60)
9.	Calcium (as Ca) mg/	70.5	IS: 3025 (Part 40)
10.	Magnesium (as Mg) mg/L	25.3	IS: 3025(Part – 46)
11.	Total Hardness (as CaCO ₃) mg/L	280	IS: 3025(Part – 21)
12.	Sodium (as Na) mg/L	24	IS: 3025(Part –45)
13.	Potassium (as K) mg/L	1.1	IS: 3025(Part –45)
14.	Boron (as B) mg/L	BDL (DL=0.1)	IS: 3025(Part –57)

Note

BDL: denotes Below Detection Limit

DL: denotes Detection Limit

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(Authorized Signatory)
AJEET SINGH SAINI
Page 1 of 1
Technical Manager
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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TEST REPORT

To
M/s KUANTUM PAPERS LTD, SAILA KHURD
TEHSIL- GARHSHANKAR, DISTRICT : HOSHIARPUR,
PUNJAB

Customer Reference No.	NA	Report No.	ETL/06072024/1564
Sample Code given by Customer	NA	Report Date	06.07.2024
Type of sample	Ground Water	ULR No.	NA
		Sample Reg No.	ETL/W/29062024/1564
Sample Condition	Satisfactory	Date of Sampling	28.06.2024
Piezometer No.	16	Date of sample receipt	29.06.2024
Sampling Location	Near Tubewell No.12 (Inside factory)	Date of Test Performance	29.06.2024-06.07.2024
Sample Collected By	Mr. K.K Mishra	Quantity	2 Liter
Sampling Procedure	As per SOP	Packing Mode	Plastic Bottle

Discipline: Chemical	Group: Water
Sample Description : : Clear & Colourless liquid	

S.No.	Parameters	Results	Test Method
1	Carbonate (as CO ₃) mg/L	ND	IS: 3025 (Part -23)
2	Bicarbonate(asHCO ₃)mg/L	378	IS: 3025 (Part -23)
3	R.S.C, meq/L	0.60	By Calculation
4	S.A.R.	0.62	By Calculation
5	B.O.D, mg/L	BDL (DL=2)	IS: 3025(Part -44)
6	C.O.D, mg/L	4.32	IS: 3025(Part -55)

Note : BDL: denotes Below Detection Limit

DL: denotes Detection Limit

ND: denotes Not Detected

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END OF REPORT

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Technical Manager
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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TC-5879



TEST REPORT

To
M/s KUANTUM PAPERS LTD, SAILA KHURD
TEHSIL- GARHSHANKAR, DISTRICT: HOSHIARPUR,
PUNJAB

Customer Reference No.	NA	Report No.	ETL/06072024/1565
Sample Code given by Customer	NA	Report Date	06.07.2024
Type of sample	Ground Water	ULR No.	TC587924000002646F
Sample Condition	Satisfactory	Sample Reg No.	ETL/W/29062024/1565
Piezometer No.	17	Date of Sampling	28.06.2024
Sampling Location	Village : Paddi	Date of sample receipt	29.06.2024
Sample Collected By	Mr. K.K Mishra	Date of Test Performance	29.06.2024-06.07.2024
Sampling Procedure	As per SOP	Quantity	2 Liter
		Packing Mode	Plastic Bottle

Group: Water

Discipline: Chemical

Sample Description: : Clear & Colourless liquid

S.No.	Parameters	Results	Test Method
1.	pH	7.18	IS: 3025(Part – 11)
2.	Total Dissolved Solids, mg/l,	400	IS: 3025(Part – 16)
3.	Conductivity micro mhos/cm at 25°C	602	IS: 3025 (Part-14)
4.	Alkalinity (as CaCO ₃)mg/l	275	IS: 3025 (Part –23)
5.	Chloride(as Cl),mg/L	19.7	IS: 3025 (Part – 32)
6.	Sulphate(as SO ₄)mg/L	8.8	IS: 3025(Part – 24)
7.	Nitrate (as NO ₃) mg/L	1.5	IS: 3025, (Part-34)
8.	Fluoride (as F) mg/L	0.65	IS: 3025(Part –60)
9.	Calcium (as Ca) mg/L	48.1	IS: 3025 (Part 40)
10.	Magnesium (as Mg) mg/L	26.7	IS: 3025(Part – 46)
11.	Total Hardness (as CaCO ₃) mg/L	230	IS: 3025(Part – 21)
12.	Sodium (as Na) mg/L	36	IS: 3025(Part –45)
13.	Potassium (as K) mg/L	1.4	IS: 3025(Part –45)
14.	Boron (as B) mg/L	BDL (DL=0.1)	IS: 3025(Part –57)

Note : BDL: denotes Below Detection Limit

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DL: denotes Detection Limit

(Authorized Signatory)

AJEET SINGH SAINI

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Testing of Water, Waste Water, Soil, Biological Testing, Environmental Monitoring of Ambient Air, Stack Emission,

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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TEST REPORT

To
M/s KUANTUM PAPERS LTD, SAILA KHURD
TEHSIL- GARHSHANKAR, DISTRICT : HOSHIARPUR,
PUNJAB

Customer Reference No.	NA	Report No.	ETL/06072024/1565
Sample Code given by Customer	NA	Report Date	06.07.2024
Type of sample	Ground Water	ULR No.	NA
		Sample Reg No.	ETL/W/29062024/1565
Sample Condition	Satisfactory	Date of Sampling	28.06.2024
Piezometer No.	17	Date of sample receipt	29.06.2024
Sampling Location	Village : Paddi	Date of Test Performance	29.06.2024-06.07.2024
Sample Collected By	Mr. K.K Mishra	Quantity	2 Liter
Sampling Procedure	As per SOP	Packing Mode	Plastic Bottle

Discipline: Chemical

Group: Water

Sample Description: : Clear & Colourless liquid

S.No.	Parameters	Results	Test Method
1	Carbonate (as CO ₃) mg/L	ND	IS: 3025 (Part -23)
2	Bicarbonate(asHCO ₃)mg/L	336	IS: 3025 (Part -23)
3	R.S.C, meq/L	0.90	By Calculation
4	S.A.R.	1.03	By Calculation
5	B.O.D, mg/L	BDL (DL=2)	IS: 3025(Part -44)
6	C.O.D, mg/L	BDL (DL=4)	IS: 3025(Part -55)

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DL: denotes Detection Limit

ND: denotes Not Detected

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END OF REPORT

(Authorized Signatory)

AJEET SINGH SAINI
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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TC-5879



TEST REPORT

To
M/s KUANTUM PAPERS LTD, SAILA KHURD
TEHSIL- GARHSHANKAR, DISTRICT : HOSHIARPUR,
PUNJAB

Customer Reference No.	NA	Report No.	ETL/06072024/1566
Sample Code given by Customer	NA	Report Date	06.07.2024
Type of sample	Ground Water	ULR No.	TC587924000002647F
		Sample Reg No.	ETL/W/29062024/1566
Sample Condition	Satisfactory	Date of Sampling	28.06.2024
Piezometer No.	18	Date of sample receipt	29.06.2024
Sampling Location	Village : Possi	Date of Test Performance	29.06.2024-06.07.2024
Sample Collected By	Mr. K.K Mishra	Quantity	2 Liter
Sampling Procedure	As per SOP	Packing Mode	Plastic Bottle

Discipline: Chemical Group: Water

Sample Description: : Clear & Colourless liquid

S.No.	Parameters	Results	Test Method
1.	pH	7.29	IS: 3025(Part – 11)
2.	Total Dissolved Solids, mg/l,	438	IS: 3025(Part – 16)
3.	Conductivity micro mhos/cm at 25°C	660	IS: 3025 (Part-14)
4.	Alkalinity (as CaCO ₃)mg/l	300	IS: 3025 (Part –23)
5.	Chloride(as Cl),mg/L	24.5	IS: 3025 (Part – 32)
6.	Sulphate(as SO ₄)mg/L	4.5	IS: 3025(Part – 24)
7.	Nitrate (as NO ₃) mg/L	0.25	IS: 3025, (Part-34)
8.	Fluoride (as F) mg/L	0.48	IS: 3025(Part –60)
9.	Calcium (as Ca) mg/L	68.9	IS: 3025 (Part 40)
10.	Magnesium (as Mg) mg/L	31.1	IS: 3025(Part – 46)
11.	Total Hardness (as CaCO ₃) mg/L	300	IS: 3025(Part – 21)
12.	Sodium (as Na) mg/L	18	IS: 3025(Part –45)
13.	Potassium (as K) mg/L	2.2	IS: 3025(Part –45)
14.	Boron (as B) mg/L	BDL (DL=0.1)	IS: 3025(Part –57)

Note: BDL: denotes Below Detection Limit

DL: denotes Detection Limit

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(Authorized Signatory)
AJEET SINGH SAINI
Technical Manager
Environ Tech Laboratories

END OF REPORT

Testing of Water, Waste Water, Soil, Biological Testing; Monitoring of Ambient Air, Stack Emission,
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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TEST REPORT

To
M/s KUANTUM PAPERS LTD, SAILA KHURD
TEHSIL- GARHSHANKAR, DISTRICT : HOSHIARPUR,
PUNJAB

Customer Reference No.	NA	Report No.	ETL/06072024/1566
Sample Code given by Customer	NA	Report Date	06.07.2024
Type of sample	Ground Water	ULR No.	NA
		Sample Reg No.	ETL/W/29062024/1566
Sample Condition	Satisfactory	Date of Sampling	28.06.2024
Piezometer No.	18	Date of sample receipt	29.06.2024
Sampling Location	Village : Possi	Date of Test Performance	29.06.2024-06.07.2024
Sample Collected By	Mr. K.K Mishra	Quantity	2 Liter
Sampling Procedure	As per SOP	Packing Mode	Plastic Bottle

Discipline: Chemical

Group: Water

Sample Description: : Clear & Colourless liquid

S.No.	Parameters	Results	Test Method
1	Carbonate (as CO ₃) mg/L	ND	IS: 3025 (Part -23)
2	Bicarbonate(asHCO ₃)mg/L	366	IS: 3025 (Part -23)
3	R.S.C , meq/L	0.00	By Calculation
4	S.A.R.	0.45	By Calculation
5	B.O.D, mg/L	BDL (DL=2)	IS: 3025(Part -44)
6	C.O.D, mg/L	BDL (DL=4)	IS: 3025(Part -55)

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***END OF REPORT**

(Authorized Signatory)

AJEET SINGH SAINI
Technical Manager
Environ Tech Laboratories

Page 1 of 1

Testing of Water, Waste Water, Soil, Biological Testing; Monitoring of Ambient Air, Stack Emission,
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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TEST REPORT

To
M/s KUANTUM PAPERS LTD, SAILA KHURD
TEHSIL- GARHSHANKAR, DISTRICT-HOSHIARPUR,
PUNJAB

Customer Reference No.	NA	Report No.	ETL/04072024/1521
Sample Code given by Customer	NA	Report Date	04.07.2024
Type of sample	Stack Emission (Boiler Stack)	ULR No.	TC587924000002605F
Sample Condition	Satisfactory	Sample Reg No.	ETL/A/29062024/1521
Sampling Location	Power Boiler NO.5 (130TPH)	Date of Sampling	27.06.2024
Sample Collected By	Mr. K.K. Mishra (Field officer)	Date of sample receipt	29.06.2024
Sampling Procedure	As per lab SOP	Date of Test Performance	29.06.2024 – 04.07.2024

Discipline: Chemical

Group: Atmospheric Pollution

TECHNICAL DATA

Instrument Used for Sampling	Stack Monitoring Instrument		
Source of Emission	Stack Attached to Power Boiler NO.5 (130TPH)		
Engine S. No	--	Model Name.	--
Mfg. Year	--	Type of Fuel Used	Coal & Rice husk
Diameter of Stack (ID)	2.75 m (Bottom), 2.20 m (Top)	Fuel used Qty. (Per Hour)	--
Stack Height from Ground Level	80 Mtr	Type of Stack	Circular & RCC
Ambient Temperature (°C)	27	Flow rate (LPM)	15
Stack Temperature (°C)	110	Sampling Time (min)	67
Velocity of Flue Gases (m/s)	9.97	Control Measures (if any)	ESP
Sampling Point	Sampling done from port hole of stack	Volumetric Flow Rate (Nm ³ /Hr)	165945

Sr.No	PARAMETERS	RESULT	LIMITS (As per CPCB CPCB)	TEST METHOD
1.	PM (12% CO ₂ Normalization), mg/Nm ³	28	150	IS:11255(Pt -1)
2.	Sulphur Dioxide (SO ₂), mg/Nm ³	80	...	IS:11255(Pt -2)
3.	Oxides of Nitrogen(NO _x), mg/Nm ³	87	...	IS:11255(Pt -7)
4.	Carbon Dioxide as CO ₂ %	9.2	IS 13270
5.	Oxygen As O ₂ %	7.9	IS 13270

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Ramesh Kumar
(Authorized Signatory)

Quality Manager
Environ Tech Laboratories



End of Report

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Testing of Water, Waste Water, Soil, Biological Testing; Monitoring of Ambient Air, Stack Emission,
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Mob. 9464000081, 9417220081, 9417210081, (O) 94630-00081, 0172-4630081
GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TEST REPORT

To
M/s KUANTUM PAPERS LTD, SAILA KHURD
TEHSIL- GARHSHANKAR, DISTRICT-HOSHIARPUR,
PUNJAB

Customer Reference No.	NA	Report No.	ETL/04072024/1523
Sample Code given by Customer	NA	Report Date	04.07.2024
Type of sample	Stack Emission (Boiler Stack)	ULR No.	TC587924000002607F
Sample Condition	Satisfactory	Sample Reg No.	ETL/A/29062024/1523
Sampling Location	Recovery Boiler (21 TPH)	Date of Sampling	27.06.2024
Sample Collected By	Mr. K.K. Mishra (Field officer)	Date of sample receipt	29.06.2024
Sampling Procedure	As per lab SOP	Date of Test Performance	29.06.2024 – 04.07.2024

Discipline: Chemical	Group: Atmospheric Pollution
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TECHNICAL DATA			
Instrument Used for Sampling	Stack Monitoring Instrument		
Source of Emission	Stack Attached to Recovery Boiler (21 TPH)		
Engine S. No	--	Model Name.	--
Mfg. Year	--	Type of Fuel Used	Black Liquor
Diameter of Stack	2.07 m (Bottom), 1.67 m (Top)	Fuel used Qty. (Per Hour)	--
Stack Height from Ground Level	70 Mtr	Type of Stack	Circular & RCC
Ambient Temperature (°C)	27	Flow rate (LPM)	14
Stack Temperature (°C)	120	Sampling Time (min)	71
Velocity of Flue Gases (m/s)	9.43	Control Measures (if any)	ESP
Sampling Point	Sampling done from port hole of stack	Volumetric Flow Rate (Nm ³ /Hr)	86669

Sr.No	PARAMETERS	RESULT	LIMITS (As per CPCB CPCB)	TEST METHOD
1.	PM (12% CO ₂ Normalization),mg/Nm ³	28.7	150	IS:11255(Pt -1)
2.	Sulphur Dioxide (SO ₂), mg/Nm ³	46	...	IS:11255(Pt -2)
3.	Oxides of Nitrogen(NO _x), mg/Nm ³	98	...	IS:11255(Pt -7)
4.	Carbon Dioxide as CO ₂ %	7.3	IS 13270
5.	Oxygen As O ₂ %	11.5	IS 13270

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Ramesh Kumar
(Authorized Signatory)

Quality Manager
Environ Tech Laboratories

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End of Report



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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TC-5879



TEST REPORT

To
M/s KUANTUM PAPERS LTD, SAILA KHURD
TEHSIL- GARHSHANKAR, DISTRICT-HOSHIARPUR,
PUNJAB

Customer Reference No.	NA	Report No.	ETL/04072024/1522
Sample Code given by Customer	NA	Report Date	04.07.2024
Type of sample	Stack Emission	ULR No.	TC587924000002606F
Sample Condition	Satisfactory	Sample Reg No.	ETL/A/29062024/1522
Sampling Location	Recovery Boiler New - (65 TPH)	Date of Sampling	27.06.2024
Sample Collected By	Mr. K.K. Mishra (Field officer)	Date of sample receipt	29.06.2024
Sampling Procedure	As per lab SOP	Date of Test Performance	29.06.2024 – 04.07.2024

Discipline: Chemical

Group: Atmospheric Pollution

TECHNICAL DATA

Instrument Used for Sampling	Stack Monitoring Instrument		
Source of Emission	Stack Attached to Recovery Boiler New - (65 TPH)		
Engine S. No	--	Model Name.	--
Mfg. Year	--	Type of Fuel Used	Black Liquor
Diameter of Stack	2.07 m (Bottom), 1.67 m (Top)	Fuel used Qty. (Per Hour)	--
Stack Height from Ground Level	75 Mtr	Type of Stack	Circular & RCC
Ambient Temperature (°C)	27	Flow rate (LPM)	15
Stack Temperature (°C)	145	Sampling Time (min)	67
Velocity of Flue Gases (m/s)	11.13	Control Measures (if any)	ESP
Sampling Point	Sampling done from port hole of stack	Volumetric Flow Rate (Nm3/Hr)	96175

Sr.No	PARAMETERS	RESULT	LIMITS (As per CPCB CPCB)	TEST METHOD
1.	PM (12% CO ₂ Normalization),mg/Nm ³	26.9	150	IS:11255(Pt -1)
2.	Sulphur Dioxide (SO ₂), mg/Nm ³	65.5	...	IS:11255(Pt -2)
3.	Oxides of Nitrogen(NO _x), mg/Nm ³	95	...	IS:11255(Pt -7)
4.	Carbon Dioxide as CO ₂ %	9.4	IS 13270
5.	Oxygen As O ₂ %	9.3	IS 13270

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Rachna Kaur
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Quality Manager
Environ Tech Laboratories

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End of Report

Testing of Water, Waste Water, Soil, Biological Testing; Monitoring of Ambient Air, Stack Emission,
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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TC-5879



TEST REPORT

To
M/s KUANTUM PAPERS LTD, SAILA KHURD
TEHSIL- GARHSHANKAR, DISTRICT-HOSHIARPUR,
PUNJAB

Customer Reference No.	NA	Report No.	ETL/04072024/1524
Sample Code given by Customer	NA	Report Date	04.07.2024
Type of sample	Stack Emission	ULR No.	TC587924000002608F
Sample Condition	Satisfactory	Sample Reg No.	ETL/A/29062024/1524
Sampling Location	D.G. Set (160 KVA)	Date of Sampling	27.06.2024
Sample Collected By	Mr. K.K. Mishra & Team	Date of sample receipt	29.06.2024
Sampling Procedure	As per lab SOP	Date of Test Performance	29.06.2024 – 04.07.2024

Discipline: Chemical

Group: Atmospheric Pollution

TECHNICAL DATA

Instrument Used for Sampling	Stack Monitoring Instrument		
Source of Emission	Stack Attached to D.G. Set (160 KVA)		
Engine S. No	84913143	Model Name.	Cummins
Mfg. Year	13.01.2020	Type of Fuel Used	HSD
Diameter of Stack	4 inch	Fuel used Qty. (Per Hour)	12-15 lit/hr
Stack Height from Ground Level	25 feet	Type of Stack	Circular & Metal
Ambient Temperature (°C)	29	Flow rate (LPM)	27
Stack Temperature (°C)	109	Sampling Time (min)	37
Velocity of Flue Gases (m/s)	8.16	Control Measures (if any)	--
Sampling Point	Sampling done from port hole of stack	Volumetric Flow Rate (Nm ³ /Hr)	187

Sr.No.	Parameters	Results	Limits (As per CPCB)	Test Method
1	Particulate Matter (as PM) g/kW-hr	0.08	≤0.2	IS:11255(Pt -1)
2	Oxides of Nitrogen NO _x (as NO ₂) g/kW-hr	0.38	≤4.7	IS:11255(Pt -7)
3	Sulphur Dioxide (as SO ₂) g/kW-hr	BDL	Not Specified	IS:11255(Pt -2)

BDL: Denotes Below Detection Limit, DL: Detection Limit=(DL:2mg/Nm³)

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Ramesh Kumar
(Authorized Signatory)
Quality Manager
Environ Tech Laboratories

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End Of Report

Testing of Water, Waste Water, Soil, Biological Testing; Monitoring of Ambient Air, Stack Emission,
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TEST REPORT

To
M/s KUANTUM PAPERS LTD, SAILA KHURD
TEHSIL- GARHSHANKAR, DISTRICT-HOSHIARPUR,
PUNJAB

Customer Reference No.	NA	Report No.	ETL/04072024/1524
Sample Code given by Customer	NA	Report Date	04.07.2024
Type of sample	Stack Emission	ULR No.	NA
Sample Condition	Satisfactory	Sample Reg No.	ETL/A/29062024/1524
Sampling Location	D.G. Set (160 KVA)	Date of Sampling	27.06.2024
Sample Collected By	Mr. K.K. Mishra & Team	Date of sample receipt	29.06.2024
Sampling Procedure	As per lab SOP	Date of Test Performance	29.06.2024 – 04.07.2024

Discipline: Chemical

Group: Atmospheric Pollution

TECHNICAL DATA

Instrument Used for Sampling	Stack Monitoring Instrument		
Source of Emission	Stack Attached to D.G. Set (160 KVA)		
Engine S. No	84913143	Model Name.	Cummins
Mfg. Year	13.01.2020	Type of Fuel Used	HSD
Diameter of Stack	4 inch	Fuel used Qty. (Per Hour)	12-15 lit/hr
Stack Height from Ground Level	25 feet	Type of Stack	Circular & Metal
Ambient Temperature (°C)	29	Flow rate (LPM)	27
Stack Temperature (°C)	109	Sampling Time (min)	37
Velocity of Flue Gases (m/s)	8.16	Control Measures (if any)	--
Sampling Point	Sampling done from port hole of stack	Volumetric Flow Rate (Nm3/Hr)	187

Sr.No.	PARAMETERS	RESULTS	Limits (As per CPCB)	TEST METHOD
1.	Carbon Monoxide, (as CO) g/kW-hr	0.35	≤3.5	IS:13270
2	Total Hydrocarbon (as HC) g/kW-hr	0.15	**	Lab SOP

** Standard Limit Of (NOX+HC)= ≤4.7

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Rameshwar Kumar
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Quality Manager
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TC-5879

TEST REPORT



To
M/s KUANTUM PAPERS LTD, SAILA KHURD
TEHSIL- GARHSHANKAR, DISTRICT-HOSHIARPUR,
PUNJAB

Customer Reference No.	NA	Report No.	ETL/04072024/1525
Sample Code given by Customer	NA	Report Date	04.07.2024
Type of sample	Stack Emission	ULR No.	TC587924000002609F
Sample Condition	Satisfactory	Sample Reg No.	ETL/A/29062024/1525
Sampling Location	D.G. Set (50 KVA)	Date of Sampling	27.06.2024
Sample Collected By	Mr. K.K. Mishra & Team	Date of sample receipt	29.06.2024
Sampling Procedure	As per lab SOP	Date of Test Performance	29.06.2024 – 04.07.2024

Discipline: Chemical

Group: Atmospheric Pollution

TECHNICAL DATA

Instrument Used for Sampling	Stack Monitoring Instrument		
Source of Emission	Stack Attached to D.G. Set (50 KVA)		
Engine S. No	3003/0800371	Model Name.	Cummins
Mfg. Year	06/2008	Type of Fuel Used	HSD
Diameter of Stack	3 inch	Fuel used Qty. (Per Hour)	4-6 ltr/hr
Stack Height from Ground Level	15 feet	Type of Stack	Circular & Metal
Ambient Temperature (°C)	29	Flow rate (LPM)	28
Stack Temperature (°C)	97	Sampling Time (min)	36
Velocity of Flue Gases (m/s)	8.03	Control Measures (if any)	--
Sampling Point	Sampling done from port hole of stack	Volumetric Flow Rate (Nm ³ /Hr)	106

Sr.No.	Parameters	Results	Limits (As per CPCB)	Test Method
1	Particulate Matter (as PM) g/kW-hr	0.08	≤0.3	IS:11255(Pt -1)
2	Oxides of Nitrogen NO _x (as NO ₂) g/kW-hr	0.40	≤4.7	IS:11255(Pt -7)
3	Sulphur Dioxide (as SO ₂) g/kW-hr	BDL	Not Specified	IS:11255(Pt -2)

BDL: Denotes Below Detection Limit, DL: Detection Limit=(DL:2mg/Nm³)

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End Of Report

Ramesh Kumar
(Authorized Signatory)

Quality Manager
Environ Tech Laboratories

Testing of Water, Waste Water, Soil, Biological Testing; Monitoring of Ambient Air, Stack Emission,
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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TEST REPORT

To
M/s KUANTUM PAPERS LTD, SAILA KHURD
TEHSIL- GARHSHANKAR, DISTRICT-HOSHIARPUR,
PUNJAB

Customer Reference No.	NA	Report No.	ETL/04072024/1525
Sample Code given by Customer	NA	Report Date	04.07.2024
Type of sample	Stack Emission	ULR No.	NA
Sample Condition	Satisfactory	Sample Reg No.	ETL/A/29062024/1525
Sampling Location	D.G. Set (50 KVA)	Date of Sampling	27.06.2024
Sample Collected By	Mr. K.K. Mishra & Team	Date of sample receipt	29.06.2024
Sampling Procedure	As per lab SOP	Date of Test Performance	29.06.2024 – 04.07.2024

Discipline: Chemical

Group: Atmospheric Pollution

TECHNICAL DATA

Instrument Used for Sampling	Stack Monitoring Instrument		
Source of Emission	Stack Attached to D.G. Set (50 KVA)		
Engine S. No	3003/0800371	Model Name.	Cummins
Mfg. Year	06/2008	Type of Fuel Used	HSD
Diameter of Stack	3 inch	Fuel used Qty. (Per Hour)	4-6 ltr/hr
Stack Height from Ground Level	15 feet	Type of Stack	Circular & Metal
Ambient Temperature (°C)	29	Flow rate (LPM)	28
Stack Temperature (°C)	97	Sampling Time (min)	36
Velocity of Flue Gases (m/s)	8.03	Control Measures (if any)	--
Sampling Point	Sampling done from port hole of stack	Volumetric Flow Rate (Nm ³ /Hr)	106

Sr.No.	PARAMETERS	RESULTS	Limits (As per CPCB)	TEST METHOD
1.	Carbon Monoxide, (as CO) g/kW-hr	0.38	≤3.5	IS:13270
2	Total Hydrocarbon (as HC) g/kW-hr	0.14	**	Lab SOP

** Standard Limit Of (NOX+HC)= ≤4.7

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Rakeshwar Kumar
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Quality Manager
Environ Tech Laboratories

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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TC-5879



TEST REPORT

To
M/s KUANTUM PAPERS LTD, SAILA KHURD
TEHSIL- GARHSHANKAR, DISTRICT-HOSHIARPUR,
PUNJAB

Customer Reference No.	NA	Report No.	ETL/04072024/1526
Sample Code given by Customer	NA	Report Date	04.07.2024
Type of sample	Stack Emission	ULR No.	TC587924000002610F
Sample Condition	Satisfactory	Sample Reg No.	ETL/A/29062024/1526
Sampling Location	D.G. Set (160 KVA)	Date of Sampling	27.06.2024
Sample Collected By	Mr. K.K. Mishra & Team	Date of sample receipt	29.06.2024
Sampling Procedure	As per lab SOP	Date of Test Performance	29.06.2024 – 04.07.2024

Discipline: Chemical

Group: Atmospheric Pollution

TECHNICAL DATA

Instrument Used for Sampling	Stack Monitoring Instrument		
Source of Emission	Stack Attached to D.G. Set (160 KVA)		
Engine S. No	84473539	Model Name.	Cummins
Mfg. Year	13.07.2018	Type of Fuel Used	HSD
Diameter of Stack	4 inch	Fuel used Qty. (Per Hour)	15-20 ltr/hr
Stack Height from Ground Level	25 feet	Type of Stack	Circular & Metal
Ambient Temperature (°C)	34	Flow rate (LPM)	27
Stack Temperature (°C)	107	Sampling Time (min)	37
Velocity of Flue Gases (m/s)	7.96	Control Measures (if any)	--
Sampling Point	Sampling done from port hole of stack	Volumetric Flow Rate (Nm ³ /Hr)	184

Sr.No.	Parameters	Results	Limits (As per CPCB)	Test Method
1	Particulate Matter (as PM) g/kW-hr	0.10	≤0.2	IS:11255(Pt -1)
2	Oxides of Nitrogen NO _x (as NO ₂) g/kW-hr	0.41	≤4.0	IS:11255(Pt -7)
3	Sulphur Dioxide (as SO ₂) g/kW-hr	BDL	Not Specified	IS:11255(Pt -2)

BDL: Denotes Below Detection Limit, DL: Detection Limit=(DL:2mg/Nm³)

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End Of Report

Ramkishan Kumar
(Authorized Signatory)

Quality Manager
Environ Tech Laboratories

Testing of Water, Waste Water, Soil, Biological Testing; Monitoring of Ambient Air, Stack Emission,
Work Zone Monitoring, Noise, Ventilation, LUX & Weather Monitoring
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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TEST REPORT

To
M/s KUANTUM PAPERS LTD, SAILA KHURD
TEHSIL- GARHSHANKAR, DISTRICT-HOSHIARPUR,
PUNJAB

Customer Reference No.	NA	Report No.	ETL/04072024/1526
Sample Code given by Customer	NA	Report Date	04.07.2024
Type of sample	Stack Emission	ULR No.	NA
Sample Condition	Satisfactory	Sample Reg No.	ETL/A/29062024/1526
Sampling Location	D.G. Set (160KVA)	Date of Sampling	27.06.2024
Sample Collected By	Mr. K.K. Mishra & Team	Date of sample receipt	29.06.2024
Sampling Procedure	As per lab SOP	Date of Test Performance	29.06.2024 – 04.07.2024

Discipline: Chemical

Group: Atmospheric Pollution

TECHNICAL DATA

Instrument Used for Sampling	Stack Monitoring Instrument		
Source of Emission	Stack Attached to D.G. Set (160 KVA)		
Engine S. No	84473539	Model Name.	Cummins
Mfg. Year	13.07.2018	Type of Fuel Used	HSD
Diameter of Stack	4 inch	Fuel used Qty. (Per Hour)	15-20 ltr/hr
Stack Height from Ground Level	25 feet	Type of Stack	Circular & Metal
Ambient Temperature (°C)	34	Flow rate (LPM)	27
Stack Temperature (°C)	107	Sampling Time (min)	37
Velocity of Flue Gases (m/s)	7.96	Control Measures (if any)	--
Sampling Point	Sampling done from port hole of stack	Volumetric Flow Rate (Nm ³ /Hr)	184

Sr.No.	PARAMETERS	RESULTS	Limits (As per CPCB)	TEST METHOD
1.	Carbon Monoxide, (as CO) g/kW-hr	0.40	≤3.5	IS:13270
2	Total Hydrocarbon (as HC) g/kW-hr	0.16	**	Lab SOP

** Standard Limit Of (NOX+HC) = ≤4.0

Note:

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End of Report

Ramesh Kumar
(Authorized Signatory)

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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TC-5879

TEST REPORT



To
M/s KUANTUM PAPERS LTD, SAILA KHURD
TEHSIL- GARHSHANKAR, DISTRICT-HOSHIARPUR,
PUNJAB

Customer Reference No.	NA	Report No.	ETL/04072024/1530
Sample Code given by Customer	NA	Report Date	04.07.2024
Type of sample	Workzone Air	ULR NO.	TC587924000002611F
Sample Condition	Satisfactory	Sample Reg No.	ETL/A/29062024/1530
Sampling Location	Board Mill in ETP	Date of Sampling	27.06.2024
Sample Collected By	Mr.K. K. Mishra & Team	Date of sample receipt	29.06.2024
Sampling Procedure	As per lab SOP	Date of Test Performance	29.06.2024- 04.07.2024

Discipline: Chemical

Group: Atmospheric Pollution

TECHNICAL DATA

1	Location of Sampling Station	Board Mill in ETP
2	Instrument Used for Sampling	Handy Sampler
3	Source of Sampling	Work Zone Air
4	Flow Rate of Sampling	1 LPM
5	Time Period for Sampling	480 Minutes

Sr.No.	PARAMETERS	RESULTS	LIMITS (mg/m ³)	TEST METHOD
1.	Respirable Suspended Particulate Matter(RSPM), mg/m ³	1.5	OSHA 5.0	ETL/WZ/2022/SOP No.15
2.	Sulphur dioxide (SO ₂), mg/m ³	0.012	As per Factory act 1948 Schedule II 5.0	ETL/WZ/2022/SOP No.16
3.	Nitrogen dioxide (NO ₂), mg/m ³	0.022	As per Factory act 1948 Schedule II 6.0	ETL/WZ/2022/SOP No.17
4.	Carbon Monoxide (CO) mg/m ³	0.60	As per Factory act 1948 Schedule II 40.0	ETL/WZ/2022/SOP No.18

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** End of Report **

Rameshwar Kumar
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Quality Manager
Environ Tech Laboratories
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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TC-5879

TEST REPORT



To
M/s KUANTUM PAPERS LTD, SAILA KHURD
TEHSIL- GARHSHANKAR, DISTRICT-HOSHIARPUR,
PUNJAB

Customer Reference No.	NA	Report No.	ETL/04072024/1531
Sample Code given by Customer	NA	Report Date	04.07.2024
Type of sample	Workzone Air	ULR NO.	TC587924000002612F
Sample Condition	Satisfactory	Sample Reg No.	ETL/A/29062024/1531
Sampling Location	Coal Screening & Feeding Point (Boiler No 4 & 5)	Date of Sampling	27.06.2024
Sample Collected By	Mr.K. K. Mishra & Team	Date of sample receipt	29.06.2024
Sampling Procedure	As per lab SOP	Date of Test Performance	29.06.2024- 04.07.2024

Discipline: Chemical

Group: Atmospheric Pollution

TECHNICAL DATA

1	Location of Sampling Station	Coal Screening & Feeding Point (Boiler No 4 & 5)
2	Instrument Used for Sampling	Handy Sampler
3	Source of Sampling	Work Zone Air
4	Flow Rate of Sampling	1 LPM
5	Time Period for Sampling	480 Minutes

Sr.No.	PARAMETERS	RESULTS	LIMITS (mg/m ³)	TEST METHOD
1.	Respirable Suspended Particulate Matter(RSPM), mg/m ³	1.3	OSHA 5.0	ETL/WZ/2022/SOP No.15
2.	Sulphur dioxide (SO ₂), mg/m ³	0.016	As per Factory act 1948 Schedule II 5.0	ETL/WZ/2022/SOP No.16
3.	Nitrogen dioxide (NO ₂), mg/m ³	0.025	As per Factory act 1948 Schedule II 6.0	ETL/WZ/2022/SOP No.17
4.	Carbon Monoxide (CO) mg/m ³	0.75	As per Factory act 1948 Schedule II 40.0	ETL/WZ/2022/SOP No.18

Note :

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** End of Report **

Ramesh Kumar
(Authorized Signatory)
Quality Manager
Environ Tech Laboratories
Page 1 of 1



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Plot No. C-101, Industrial Area, Phase -VII, Sector-73, Mohali, Punjab- 160059
Mob. 9464000081, 9417220081, 9417210081, (O) 94630-00081, 0172-4630081
GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TC-5879

TEST REPORT



To
M/s KUANTUM PAPERS LTD, SAILA KHURD
TEHSIL- GARHSHANKAR, DISTRICT-HOSHIARPUR,
PUNJAB

Customer Reference No.	NA	Report No.	ETL/04072024/1532
Sample Code given by Customer	NA	Report Date	04.07.2024
Type of sample	Workzone Air	ULR NO.	TC587924000002613F
Sample Condition	Satisfactory	Sample Reg No.	ETL/A/29062024/1532
Sampling Location	PulpMill -Near Wood Chips Feeding Point	Date of Sampling	27.06.2024
Sample Collected By	Mr.K. K. Mishra & Team	Date of sample receipt	29.06.2024
Sampling Procedure	As per lab SOP	Date of Test Performance	29.06.2024- 04.07.2024

Discipline: Chemical

Group: Atmospheric Pollution

TECHNICAL DATA

1	Location of Sampling Station	PulpMill -Near Wood Chips Feeding Point
2	Instrument Used for Sampling	Handy Sampler
3	Source of Sampling	Work Zone Air
4	Flow Rate of Sampling	1 LPM
5	Time Period for Sampling	480 Minutes

Sr.No.	PARAMETERS	RESULTS	LIMITS (mg/m3)	TEST METHOD
1.	Respirable Suspended Particulate Matter(RSPM), mg/m ³	1.0	OSHA 5.0	ETL/WZ/2022/SOP No.15
2.	Sulphur dioxide (SO ₂), mg/m ³	0.013	As per Factory act 1948 Schedule II 5.0	ETL/WZ/2022/SOP No.16
3.	Nitrogen dioxide (NO ₂), mg/m ³	0.022	As per Factory act 1948 Schedule II 6.0	ETL/WZ/2022/SOP No.17
4.	Carbon Monoxide (CO) mg/m ³	0.55	As per Factory act 1948 Schedule II 40.0	ETL/WZ/2022/SOP No.18

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** End of Report **

Ramesh Kumar
(Authorized Signatory)

Quality Manager
Environ Tech Laboratories
Page 1 of 1

Testing of Water, Waste Water, Soil, Biological Testing; Monitoring of Ambient Air, Stack Emission,
Work Zone Monitoring, Noise, Ventilation, LUX & Weather Monitoring
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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TEST REPORT

To
M/s KUANTUM PAPERS LTD, SAILA KHURD
TEHSIL- GARHSHANKAR, DISTRICT-HOSHIARPUR,
PUNJAB

Customer Reference No.	NA	Report No.	ETL/04072024/1533
Sample Code given by Customer	NA	Report Date	04.07.2024
Type of sample	Workzone Air	ULR NO.	TC587924000002614F
Sample Condition	Satisfactory	Sample Reg No.	ETL/A/29062024/1533
Sampling Location	Pulp Mill – Near WheatStrawFeeding Point	Date of Sampling	27.06.2024
Sample Collected By	Mr.K. K. Mishra & Team	Date of sample receipt	29.06.2024
Sampling Procedure	As per lab SOP	Date of Test Performance	29.06.2024- 04.07.2024

Group: Atmospheric Pollution

Discipline: Chemical

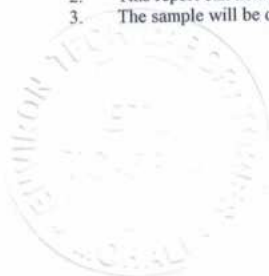
TECHNICAL DATA

1	Location of Sampling Station	Pulp Mill – Near WheatStrawFeeding Point
2	Instrument Used for Sampling	Handy Sampler
3	Source of Sampling	Work Zone Air
4	Flow Rate of Sampling	1 LPM
5	Time Period for Sampling	480 Minutes

Sr.No.	PARAMETERS	RESULTS	LIMITS (mg/m ³)	TEST METHOD
1.	Respirable Suspended Particulate Matter(RSPM), mg/m ³	1.8	OSHA 5.0	ETL/WZ/2022/SOP No.15
2.	Sulphur dioxide (SO ₂), mg/m ³	0.014	As per Factory act 1948 Schedule II 5.0	ETL/WZ/2022/SOP No.16
3.	Nitrogen dioxide (NO ₂), mg/m ³	0.021	As per Factory act 1948 Schedule II 6.0	ETL/WZ/2022/SOP No.17
4.	Carbon Monoxide (CO) mg/m ³	0.57	As per Factory act 1948 Schedule II 40.0	ETL/WZ/2022/SOP No.18

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** End of Report **

Rakesh Kumar
(Authorized Signatory)
Quality Manager
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Page 1 of 1

Testing of Water, Waste Water, Soil, Biological Testing; Monitoring of Ambient Air, Stack Emission,
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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TC-5879



TEST REPORT

To
M/s KUANTUM PAPERS LTD, SAILA KHURD
TEHSIL- GARHSHANKAR, DISTRICT-HOSHIARPUR,
PUNJAB

Customer Reference No.	NA	Report No.	ETL/04072024/1534
Sample Code given by Customer	NA	Report Date	04.07.2024
Type of sample	Workzone Air	ULR NO.	TC587924000002615F
Sample Condition	Satisfactory	Sample Reg No.	ETL/A/29062024/1534
Sampling Location	Paper MachineNo.- 4	Date of Sampling	27.06.2024
Sample Collected By	Mr.K. K. Mishra & Team	Date of sample receipt	29.06.2024
Sampling Procedure	As per lab SOP	Date of Test Performance	29.06.2024- 04.07.2024

Discipline: Chemical

Group: Atmospheric Pollution

TECHNICAL DATA

1	Location of Sampling Station	Paper MachineNo.- 4
2	Instrument Used for Sampling	Handy Sampler
3	Source of Sampling	Work Zone Air
4	Flow Rate of Sampling	1 LPM
5	Time Period for Sampling	480 Minutes

Sr.No.	PARAMETERS	RESULTS	LIMITS (mg/m3)	TEST METHOD
1.	Respirable Suspended Particulate Matter(RSPM), mg/m ³	0.61	OSHA 5.0	ETL/WZ/2022/SOP No.15
2.	Sulphur dioxide (SO ₂), mg/m ³	0.011	As per Factory act 1948 Schedule II 5.0	ETL/WZ/2022/SOP No.16
3.	Nitrogen dioxide (NO ₂), mg/m ³	0.026	As per Factory act 1948 Schedule II 6.0	ETL/WZ/2022/SOP No.17
4.	Carbon Monoxide (CO) mg/m ³	0.60	As per Factory act 1948 Schedule II 40.0	ETL/WZ/2022/SOP No.18

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** End of Report **

Ramashankar Kumar
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