



# 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

**Kuantum Paper Limited**

Saila Khurd, Railway Rd, Hoshiarpur, Punjab -146001

Customer Ref. Number	PO No.4300007804, PO Date 06.12.2024	Report No.	ETL/01012025/4243
Sample Code given by Customer	Not Mentioned	Report Date.	01.01.2025
Type of Sample	Ambient Air	ULR No.	TC587924000005119F
Sampling Condition	Satisfactory	Sample Reg No.	ETL/A/27122024/4243
Quantity	1.00 NOS	Date of Sampling	25.12.2024 - 26.12.2024
Sampling Location	Factory Boundary Wall (Near WTP Plant)	Date of Sample Receipt	27.12.2024
Sample Collected By	Mr. K.K. Mishra & Team	Date of Test Performance	27.12.2024 - 01.01.2025
Sampling Procedure	As per lab SOP	Packing Mode	Plastic Bottle & Air Tight Bag

**Discipline: Chemical**

**Group: Atmospheric Pollution**

### TECHNICAL DATA

1	Location of Sampling Station	Factory Boundary Wall (Near WTP Plant)
2	Instrument Used for Sampling	RDS , PM2.5 Sampler & Gaseous Sampler
3	Source of Sampling	Ambient Air Monitoring
4	Temperature of Sampling Location	25°C
5	Environmental Condition	Max temp. 27°C Min temp. 20°C Clear Sky
6	Flow Rate of Gaseous Sampling	0.5 & 1 LPM
7	Time Period for Sampling	24 Hrs

Sr.No.	PARAMETERS	RESULTS	STANDARD	DETECTION LIMIT	TEST METHOD
1	Respirable Suspended Particulate Matter( PM10 )	88.9	100.0 µg/m <sup>3</sup>	10 µg/m <sup>3</sup>	IS:5182(P-23) 2006
2	Sulphur Dioxide (SO <sub>2</sub> )	14.5	80.0 µg/m <sup>3</sup>	2.0 µg/m <sup>3</sup>	IS:5182(P-2) 2001
3	Nitrogen Dioxide (NO <sub>2</sub> )	29.2	80.0 µg/m <sup>3</sup>	2.0 µg/m <sup>3</sup>	IS:5182(P-6) 2006
4	Fine Particulate Matter(PM <sub>2.5</sub> )	50.7	60.0 µg/m <sup>3</sup>	10 µg/m <sup>3</sup>	IS: 5182(P-24) 2019
5	Carbon Monoxide (CO)	1.0	4.0 mg/m <sup>3</sup> (1 hr)	0.5 mg/m <sup>3</sup>	IS:5182(P-10) 1999
6	Nickel (Ni)	BDL	20.0 ng/m <sup>3</sup>	15 ng/m <sup>3</sup>	IS:5182(P-26) 2020
7	Arsenic (As)	BDL	6.0 ng/m <sup>3</sup>	5.0 ng/m <sup>3</sup>	SOP No.ETL/Air/2022/08
8	Lead (Pb)	BDL	1.0 µg/m <sup>3</sup>	0.1 µg/m <sup>3</sup>	IS:5182(P-22) 2004
9	Benzene (C <sub>6</sub> H <sub>6</sub> )	BDL	5.0 µg/m <sup>3</sup>	0.5 µg/m <sup>3</sup>	IS:5182(P-11) 2006
10	Benzo(a)pyrene (BaP)	BDL	1.0 ng/m <sup>3</sup>	1.0 ng/m <sup>3</sup>	IS:5182(P-12) 2004
11	Ammonia (NH <sub>3</sub> )	BDL	400.0 µg/m <sup>3</sup>	20 µg/m <sup>3</sup>	IS:5182(P-25) 2018
12	Ozone (O <sub>3</sub> )	25.1	180.0 µg/m <sup>3</sup> (1hr)	5.0 µg/m <sup>3</sup>	IS:5182 (P-9) 1974

\*\*END OF REPORT\*\*



*Rameshwar Kumar*  
(Authorized Signatory)  
Technical Manager-II  
Environ Tech Laboratories

**Note:** BDL: Denotes Below Detection Limit DL: Denotes Detection Limit

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Page 1 of 1



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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



## TEST REPORT

**Kvantum Paper Limited**

Saila Khurd, Railway Rd, Hoshiarpur, Punjab -146001

Customer Ref. Number	PO No.4300007804, PO Date 06.12.2024	Report No.	ETL/01012025/4244
Sample Code given by Customer	Not Mentioned	Report Date.	01.01.2025
Type of Sample	Ambient Air	ULR No.	TC587924000005120F
Sampling Condition	Satisfactory	Sample Reg No.	ETL/A/27122024/4244
Quantity	1.00 NOS	Date of Sampling	25.12.2024 - 26.12.2024
Sampling Location	Factory Gate (Near Petrol Pump)	Date of Sample Receipt	27.12.2024
Sample Collected By	Mr. K.K. Mishra & Team	Date of Test Performance	27.12.2024 - 01.01.2025
Sampling Procedure	As per lab SOP	Packing Mode	Plastic Bottle & Air Tight Bag

**Discipline: Chemical** **Group: Atmospheric Pollution**

### TECHNICAL DATA

1	Location of Sampling Station	Factory Gate (Near Petrol Pump)
2	Instrument Used for Sampling	RDS , PM2.5 Sampler & Gaseous Sampler
3	Source of Sampling	Ambient Air Monitoring
4	Temperature of Sampling Location	25°C
5	Environmental Condition	Max temp. 27°C
		Min temp. 20°C
		Clear Sky
6	Flow Rate of Gaseous Sampling	0.5 & 1 LPM
7	Time Period for Sampling	24 Hrs

Sr.No.	PARAMETERS	RESULTS	STANDARD	DETECTION LIMIT	TEST METHOD
1	Respirable Suspended Particulate Matter( PM10 )	93.4	100.0 µg/m <sup>3</sup>	10 µg/m <sup>3</sup>	IS:5182(P-23) 2006
2	Sulphur Dioxide (SO <sub>2</sub> )	10.9	80.0 µg/m <sup>3</sup>	2.0 µg/m <sup>3</sup>	IS:5182(P-2) 2001
3	Nitrogen Dioxide (NO <sub>2</sub> )	28.3	80.0 µg/m <sup>3</sup>	2.0 µg/m <sup>3</sup>	IS:5182(P-6) 2006
4	Fine Particulate Matter(PM <sub>2.5</sub> )	54.5	60.0 µg/m <sup>3</sup>	10 µg/m <sup>3</sup>	IS: 5182(P-24) 2019
5	Carbon Monoxide (CO)	0.92	4.0 mg/m <sup>3</sup> (1 hr)	0.5 mg/m <sup>3</sup>	IS:5182(P-10) 1999
6	Nickel (Ni)	BDL	20.0 ng/m <sup>3</sup>	15 ng/m <sup>3</sup>	IS:5182(P-26) 2020
7	Arsenic (As)	BDL	6.0 ng/m <sup>3</sup>	5.0 ng/m <sup>3</sup>	SOP No.ETL/Air/2022/08
8	Lead (Pb)	BDL	1.0 µg/m <sup>3</sup>	0.1 µg/m <sup>3</sup>	IS:5182(P-22) 2004
9	Benzene (C <sub>6</sub> H <sub>6</sub> )	BDL	5.0 µg/m <sup>3</sup>	0.5 µg/m <sup>3</sup>	IS:5182(P-11) 2006
10	Benzo(a)pyrene (BaP)	BDL	1.0 ng/m <sup>3</sup>	1.0 ng/m <sup>3</sup>	IS:5182(P-12) 2004
11	Ammonia (NH <sub>3</sub> )	BDL	400.0 µg/m <sup>3</sup>	20 µg/m <sup>3</sup>	IS:5182(P-25) 2018
12	Ozone (O <sub>3</sub> )	20.6	180.0 µg/m <sup>3</sup> (1hr)	5.0 µg/m <sup>3</sup>	IS:5182 (P-9) 1974

\*\*END OF REPORT\*\*



*Rameshwar Kumar*  
(Authorized Signatory)  
Technical Manager-II  
Environ Tech Laboratories

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TC-5879



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Customer Ref. Number	PO No.4300007804, PO Date 06.12.2024	Report No.	ETL/01012025/4245
Sample Code given by Customer	Not Mentioned	Report Date.	01.01.2025
Type of Sample	Ambient Air	ULR No.	TC587924000005121F
Sampling Condition	Satisfactory	Sample Reg No.	ETL/A/27122024/4245
Quantity	1.00 NOS	Date of Sampling	25.12.2024 - 26.12.2024
Sampling Location	Factory Boundary Wall (Near Sarkanda Yard)	Date of Sample Receipt	27.12.2024
Sample Collected By	Mr. K.K. Mishra & Team	Date of Test Performance	27.12.2024 - 01.01.2025
Sampling Procedure	As per lab SOP	Packing Mode	Plastic Bottle & Air Tight Bag

**Discipline: Chemical**

**Group: Atmospheric Pollution**

### TECHNICAL DATA

1	Location of Sampling Station	Factory Boundary Wall (Near Sarkanda Yard)
2	Instrument Used for Sampling	RDS , PM2.5 Sampler & Gaseous Sampler
3	Source of Sampling	Ambient Air Monitoring
4	Temperature of Sampling Location	25°C
5	Environmental Condition	Max temp. 27°C Min temp. 20°C Clear Sky
6	Flow Rate of Gaseous Sampling	0.5 & 1 LPM
7	Time Period for Sampling	24 Hrs

Sr.No.	PARAMETERS	RESULTS	STANDARD	DETECTION LIMIT	TEST METHOD
1	Respirable Suspended Particulate Matter( PM10 )	94.3	100.0 µg/m <sup>3</sup>	10 µg/m <sup>3</sup>	IS:5182(P-23) 2006
2	Sulphur Dioxide (SO <sub>2</sub> )	14.7	80.0 µg/m <sup>3</sup>	2.0 µg/m <sup>3</sup>	IS:5182(P-2) 2001
3	Nitrogen Dioxide (NO <sub>2</sub> )	28.4	80.0 µg/m <sup>3</sup>	2.0 µg/m <sup>3</sup>	IS:5182(P-6) 2006
4	Fine Particulate Matter(PM <sub>2.5</sub> )	52.6	60.0 µg/m <sup>3</sup>	10 µg/m <sup>3</sup>	IS: 5182(P-24) 2019
5	Carbon Monoxide (CO)	1.03	4.0 mg/m <sup>3</sup> (1 hr)	0.5 mg/m <sup>3</sup>	IS:5182(P-10) 1999
6	Nickel (Ni)	BDL	20.0 ng/m <sup>3</sup>	15 ng/m <sup>3</sup>	IS:5182(P-26) 2020
7	Arsenic (As)	BDL	6.0 ng/m <sup>3</sup>	5.0 ng/m <sup>3</sup>	SOP No.ETL/Air/2022/08
8	Lead (Pb)	BDL	1.0 µg/m <sup>3</sup>	0.1 µg/m <sup>3</sup>	IS:5182(P-22) 2004
9	Benzene (C <sub>6</sub> H <sub>6</sub> )	BDL	5.0 µg/m <sup>3</sup>	0.5 µg/m <sup>3</sup>	IS:5182(P-11) 2006
10	Benzo(a)pyrene (BaP)	BDL	1.0 ng/m <sup>3</sup>	1.0 ng/m <sup>3</sup>	IS:5182(P-12) 2004
11	Ammonia (NH <sub>3</sub> )	BDL	400.0 µg/m <sup>3</sup>	20 µg/m <sup>3</sup>	IS:5182(P-25) 2018
12	Ozone (O <sub>3</sub> )	20.0	180.0 µg/m <sup>3</sup> (1hr)	5.0 µg/m <sup>3</sup>	IS:5182 (P-9) 1974

\*\*END OF REPORT\*\*



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TC-5879



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**Kuantum Paper Limited**

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Customer Ref. Number	PO No.4300007804, PO Date 06.12.2024	Report No.	ETL/01012025/4246
Sample Code given by Customer	Not Mentioned	Report Date.	01.01.2025
Type of Sample	Ambient Air	ULR No.	TC587924000005122F
Sampling Condition	Satisfactory	Sample Reg No.	ETL/A/27122024/4246
Quantity	1.00 NOS	Date of Sampling	25.12.2024 - 26.12.2024
Sampling Location	Factory Boundary Wall (Near Guest House)	Date of Sample Receipt	27.12.2024
Sample Collected By	Mr. K.K. Mishra & Team	Date of Test Performance	27.12.2024 - 01.01.2025
Sampling Procedure	As per lab SOP	Packing Mode	Plastic Bottle & Air Tight Bag

**Discipline: Chemical**

**Group: Atmospheric Pollution**

### TECHNICAL DATA

1	Location of Sampling Station	Factory Boundary Wall (Near Guest House)
2	Instrument Used for Sampling	RDS , PM2.5 Sampler & Gaseous Sampler
3	Source of Sampling	Ambient Air Monitoring
4	Temperature of Sampling Location	25°C
5	Environmental Condition	Max temp. 27°C Min temp. 20°C Clear Sky
6	Flow Rate of Gaseous Sampling	0.5 & 1 LPM
7	Time Period for Sampling	24 Hrs

Sr.No.	PARAMETERS	RESULTS	STANDARD	DETECTION LIMIT	TEST METHOD
1	Respirable Suspended Particulate Matter( PM10 )	85.9	100.0 µg/m <sup>3</sup>	10 µg/m <sup>3</sup>	IS:5182(P-23) 2006
2	Sulphur Dioxide (SO <sub>2</sub> )	11.7	80.0 µg/m <sup>3</sup>	2.0 µg/m <sup>3</sup>	IS:5182(P-2) 2001
3	Nitrogen Dioxide (NO <sub>2</sub> )	27.6	80.0 µg/m <sup>3</sup>	2.0 µg/m <sup>3</sup>	IS:5182(P-6) 2006
4	Fine Particulate Matter(PM <sub>2.5</sub> )	47.6	60.0 µg/m <sup>3</sup>	10 µg/m <sup>3</sup>	IS: 5182(P-24) 2019
5	Carbon Monoxide (CO)	0.78	4.0 mg/m <sup>3</sup> (1 hr)	0.5 mg/m <sup>3</sup>	IS:5182(P-10) 1999
6	Nickel (Ni)	BDL	20.0 ng/m <sup>3</sup>	15 ng/m <sup>3</sup>	IS:5182(P-26) 2020
7	Arsenic (As)	BDL	6.0 ng/m <sup>3</sup>	5.0 ng/m <sup>3</sup>	SOP No.ETL/Air/2022/08
8	Lead (Pb)	BDL	1.0 µg/m <sup>3</sup>	0.1 µg/m <sup>3</sup>	IS:5182(P-22) 2004
9	Benzene (C <sub>6</sub> H <sub>6</sub> )	BDL	5.0 µg/m <sup>3</sup>	0.5 µg/m <sup>3</sup>	IS:5182(P-11) 2006
10	Benzo(a)pyrene (BaP)	BDL	1.0 ng/m <sup>3</sup>	1.0 ng/m <sup>3</sup>	IS:5182(P-12) 2004
11	Ammonia (NH <sub>3</sub> )	BDL	400.0 µg/m <sup>3</sup>	20 µg/m <sup>3</sup>	IS:5182(P-25) 2018
12	Ozone (O <sub>3</sub> )	19.1	180.0 µg/m <sup>3</sup> (1hr)	5.0 µg/m <sup>3</sup>	IS:5182 (P-9) 1974

\*\*END OF REPORT\*\*



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Customer Ref. Number	PO No.4300007804, PO Date 06.12.2024	Report No.	ETL/01012025/4247
Sample Code given by Customer	Not Mentioned	Report Date.	01.01.2025
Type of Sample	Ambient Air	ULR No.	TC587924000005123F
Sampling Condition	Satisfactory	Sample Reg No.	ETL/A/27122024/4247
Quantity	1.00 NOS	Date of Sampling	25.12.2024 - 26.12.2024
Sampling Location	Near Admin Block Garden	Date of Sample Receipt	27.12.2024
Sample Collected By	Mr. K.K. Mishra & Team	Date of Test Performance	27.12.2024 - 01.01.2025
Sampling Procedure	As per lab SOP	Packing Mode	Plastic Bottle & Air Tight Bag

**Discipline: Chemical** **Group: Atmospheric Pollution**

### TECHNICAL DATA

1	Location of Sampling Station	Near Admin Block Garden
2	Instrument Used for Sampling	RDS , PM2.5 Sampler & Gaseous Sampler
3	Source of Sampling	Ambient Air Monitoring
4	Temperature of Sampling Location	25°C
5	Environmental Condition	Max temp. 27 °C
		Min temp. 20°C
		Clear Sky
6	Flow Rate of Gaseous Sampling	0.5 & 1 LPM
7	Time Period for Sampling	24 Hrs

Sr.No.	PARAMETERS	RESULTS	STANDARD	DETECTION LIMIT	TEST METHOD
1	Respirable Suspended Particulate Matter( PM10 )	85.4	100.0 µg/m <sup>3</sup>	10 µg/m <sup>3</sup>	IS:5182(P-23) 2006
2	Sulphur Dioxide (SO <sub>2</sub> )	12.3	80.0 µg/m <sup>3</sup>	2.0 µg/m <sup>3</sup>	IS:5182(P-2) 2001
3	Nitrogen Dioxide (NO <sub>2</sub> )	25.9	80.0 µg/m <sup>3</sup>	2.0 µg/m <sup>3</sup>	IS:5182(P-6) 2006
4	Fine Particulate Matter(PM <sub>2.5</sub> )	50.7	60.0 µg/m <sup>3</sup>	10 µg/m <sup>3</sup>	IS: 5182(P-24) 2019
5	Carbon Monoxide (CO)	0.80	4.0 mg/m <sup>3</sup> (1 hr)	0.5 mg/m <sup>3</sup>	IS:5182(P-10) 1999
6	Nickel (Ni)	BDL	20.0 ng/m <sup>3</sup>	15 ng/m <sup>3</sup>	IS:5182(P-26) 2020
7	Arsenic (As)	BDL	6.0 ng/m <sup>3</sup>	5.0 ng/m <sup>3</sup>	SOP No.ETL/Air/2022/08
8	Lead (Pb)	BDL	1.0 µg/m <sup>3</sup>	0.1 µg/m <sup>3</sup>	IS:5182(P-22) 2004
9	Benzene (C <sub>6</sub> H <sub>6</sub> )	BDL	5.0 µg/m <sup>3</sup>	0.5 µg/m <sup>3</sup>	IS:5182(P-11) 2006
10	Benzo(a)pyrene (BaP)	BDL	1.0 ng/m <sup>3</sup>	1.0 ng/m <sup>3</sup>	IS:5182(P-12) 2004
11	Ammonia (NH <sub>3</sub> )	BDL	400.0 µg/m <sup>3</sup>	20 µg/m <sup>3</sup>	IS:5182(P-25) 2018
12	Ozone (O <sub>3</sub> )	22.1	180.0 µg/m <sup>3</sup> (1hr)	5.0 µg/m <sup>3</sup>	IS:5182 (P-9) 1974

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Customer Ref. Number	PO No.4300007804, PO Date 06.12.2024	Report No.	ETL/01012025/4222
Sample Code given by Customer	Not Mentioned	Report Date.	01.01.2025
Type of Sample	Drinking Water	ULR No.	TC587924000005098F
Sampling Condition	Satisfactory	Sample Reg No.	ETL/W/26122024/4222
Quantity	5.25 LTR	Date of Sampling	25.12.2024
Sampling Location	Canteen Water Cooler (KPL)	Date of Sample Receipt	26.12.2024
Sample Collected By	Mr. K.K. Mishra & Team	Date of Test Performance	27.12.2024 - 01.01.2025
Sampling Procedure	As per lab SOP	Packing Mode	Plastic Bottle & Glass Bottle

Discipline: Chemical

Group: Water

Sample Description: Clear and Colourless 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)	BDL (DL = 5)	5	15	IS 3025(P-4) 2021; APHA 23rd Edition:2120B
2	Odour	Agreeable	Agreeable	Agreeable	APHA 23rd Edition:2150 B
3	pH @ 25°C	7.45	6.5 - 8.5	No relaxation	IS 3025(P-11) 2022; APHA 23rd Edition:4500
4	Taste	Agreeable	Agreeable	Agreeable	IS 3025(P-8) 2023
5	Turbidity	BDL (DL = 1.00)	Max 1 NTU	Max 5 NTU	IS 3025 (P -10) 2023; APHA23rd Edition :2130B
6	Total Dissolved Solids (mg/l)	232	Max 500	Max 2000	IS 3025 (P-16) 2023; APHA 23rd Edition:2540 C
7	Ammonical Nitrogen as N (mg/l)	BDL (DL = 0.50)	Max 0.5	No relaxation	IS 3025 (P-34) 1988; APHA 23rd Edition:4500-NH3 C
8	Calcium (as Ca) (mg/l)	49.6	Max 75	Max 200	IS 3025(P-40) 1991; APHA 23rd Edition 3500Ca B
9	Chloramines as Cl2 (mg/l)	BDL (DL = 0.10)	Max 4	No relaxation	APHA 23rd Edition:4500 G
10	Chloride as Cl (mg/l)	23.3	Max 250	Max 1000	IS 3025(P-32) 1988; APHA 23rd Edition:4500 Cl B
11	Fluoride (as F) (mg/l)	0.12	Max 1.0	Max 1.5	IS 3025(P-60) 2008; APHA 23rd Edition:4500 F
12	Free Residual Chlorine (mg/l)	BDL (DL = 0.10)	Max 0.2	Max 1	IS 3025 (P-26) 2021; APHA 23rd Edition :4500 Cl B
13	Magnesium (as Mg) (mg/l)	8.8	Max 30	Max 100	IS 3025 (Part-46) 2023; APHA23rd Edition :3500Mg B
14	Nitrate (as NO3) (mg/l)	6.5	Max 45	No relaxation	IS 3025 (P-34) 1988; APHA23rd Edition:4500 NO3 B
15	Phenolic Compounds (as C6H5OH) (mg/l)	BDL	Max 0.001	Max 0.002	APHA 23rd Edition Chloroform Extraction Method, 5530 C



*(Signature)*  
(Authorized Signatory)  
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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



TC-5879



## TEST REPORT

**Kuantum Paper Limited**

Saila Khurd, Railway Rd, Hoshiarpur, Punjab -146001

16	Sulphate (as SO <sub>4</sub> ) (mg/l)	10.7	Max 200	Max 400	IS 3025 (P-24) Sec 1:2022; APHA 23rd Edition :4500 SO42 E
17	Sulphide as S (mg/l)	BDL (DL = 0.50)	Max 0.05	No relaxation	IS 3025(P-29) 2022; APHA 23rd Edition:4500 S F
18	Total Alkalinity (as CaCO <sub>3</sub> ) (mg/l)	170	Max 200	Max 600	IS 3025(P-23) 2023; APHA 23rd Edition:2320 B
19	Total Hardness(as CaCO <sub>3</sub> ) (mg/l)	160	Max 200	Max 600	IS 3025 (P-21) 2009; APHA 23rd Edition :2340 C
20	Sodium (as Na) (mg/l)	25	--	--	IS 3025 (P-45) 1993; APHA 23rd Edition :3500 Na B
21	Potassium (as K) (mg/l)	1.6	--	--	IS 3025 (P-45) 1993; APHA 23rd Edition :3500 K B



  
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TC-5879



## TEST REPORT

**Kuantum Paper Limited**

Saila Khurd, Railway Rd, Hoshiarpur, Punjab -146001

Customer Ref. Number	PO No.4300007804, PO Date 06.12.2024	Report No.	ETL/01012025/4222
Sample Code given by Customer	Not Mentioned	Report Date.	01.01.2025
Type of Sample	Drinking Water	ULR No.	TC587924000005098F
Sampling Condition	Satisfactory	Sample Reg No.	ETL/W/26122024/4222
Quantity	5.25 LTR	Date of Sampling	25.12.2024
Sampling Location	Canteen Water Cooler (KPL)	Date of Sample Receipt	26.12.2024
Sample Collected By	Mr. K.K. Mishra & Team	Date of Test Performance	27.12.2024 - 01.01.2025
Sampling Procedure	As per lab SOP	Packing Mode	Plastic Bottle & Glass Bottle

**Discipline: Chemical**

**Group: Residues and contaminants in water**

**Sample Description: Clear and Colourless 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	Boron as B (mg/l)	BDL (DL = 0.10)	Max 0.5	Max 2.4	IS 3025(P-57) 2021; APHA 23rd Edition:4500 B
2	Copper (as Cu) (mg/l)	BDL (DL = 0.02)	Max 0.05	Max 1.5	APHA 23rd Edition 2017-3111 B
3	Iron ( as Fe) (mg/l)	0.38	Max 1.0	No relaxation	APHA 23rd Edition 3111B
4	Selenium (as Se) (mg/l)	BDL (DL = 0.001)	Max 0.01	No relaxation	APHA 23rd Edition 2017 3114B
5	Zinc (as Zn) (mg/l)	BDL (DL = 0.05)	Max 5	Max 15	APHA 23rd Edition 2017-3111B
6	Cadmium (as Cd) (mg/l)	BDL (DL = 0.02)	Max 0.003	No relaxation	APHA 23rd Edition 2017-3111B
7	Cyanide as CN (mg/l)	BDL (DL = 0.01)	Max 0.05	No relaxation	APHA 23rd Edition:4500 E
8	Lead (as Pb) (mg/l)	BDL (DL = 0.01)	Max 0.01	No relaxation	APHA 23rd Edition 2017-3111B
9	Mercury (as Hg) (mg/l)	BDL (DL=0.001)	Max 0.001	No relaxation	APHA 23rd Edition 2017 3114B
10	Nickel ( as Ni) (mg/l)	BDL (DL = 0.02)	Max 0.02	No relaxation	APHA 23rd Edition 2017-3111B
11	Arsenic (as As) (mg/l)	BDL (DL = 0.005)	Max 0.01	0.05	APHA 23rd Edition 2017-3114B
12	Total Chromium (as Cr) (mg/l)	BDL (DL = 0.04)	Max 0.05	No relaxation	APHA 23rd Edition 2017-3113B
13	Silver (as Ag) (mg/l)	BDL (DL = 0.05)	Max 0.1	No relaxation	APHA 23rd Edition 2017-3114B
14	Manganese (as Mn) (mg/l)	BDL (DL = 0.02)	Max 0.1	Max 0.3	APHA 23rd Edition 2017-3111B



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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TC-5879



## TEST REPORT

**Kuantum Paper Limited**

Saila Khurd, Railway Rd, Hoshiarpur, Punjab -146001

Customer Ref. Number	PO No.4300007804, PO Date 06.12.2024	Report No.	ETL/01012025/4222
Sample Code given by Customer	Not Mentioned	Report Date.	01.01.2025
Type of Sample	Drinking Water	ULR No.	TC587924000005098F
Sampling Condition	Satisfactory	Sample Reg No.	ETL/W/26122024/4222
Quantity	5.25 LTR	Date of Sampling	25.12.2024
Sampling Location	Canteen Water Cooler (KPL)	Date of Sample Receipt	26.12.2024
Sample Collected By	Mr. K.K. Mishra & Team	Date of Test Performance	27.12.2024 - 01.01.2025
Sampling Procedure	As per lab SOP	Packing Mode	Plastic Bottle & Glass Bottle

**Discipline: Chemical**

**Group: Residues and contaminants in water**

**Sample Description: Clear and Colourless Liquid**

### PART C

S.No.	Parameters	Results	Limits of IS: 10500 - 2012		Test method
			Detection Limit (µg/l)	Acceptable Limit (µg/l)	
1	Alachlor (µg/l)	BDL	0.01	20	SOP NO. ETL/Pest/2022/01
2	Atrazine (µg/l)	BDL	0.01	2	SOP NO. ETL/Pest/2022/02
3	Aldrin/ Dieldrin (µg/l)	BDL	0.01	0.03	SOP NO. ETL/Pest/2022/01
4	Alpha HCH (µg/l)	BDL	0.01	0.01	SOP NO. ETL/Pest/2022/01
5	Beta HCH (µg/l)	BDL	0.01	0.04	SOP NO. ETL/Pest/2022/01
6	Butachlor (µg/l)	BDL	0.01	125	SOP NO. ETL/Pest/2022/01
7	Chlorpyrifos (µg/l)	BDL	0.01	30	SOP NO. ETL/Pest/2022/01
8	Delta HCH (µg/l)	BDL	0.01	0.04	SOP NO. ETL/Pest/2022/01
9	2,4- Dichlorophenoxyacetic acid (µg/l)	BDL	20	30	SOP NO. ETL/Pest/2022/01
10	DDT(o, p and p, p-Isomers of DDT, DDE and DDD) (µg/l)	BDL	0.2	1.0	SOP NO. ETL/Pest/2022/01
11	Endosulfan (Alpha, Beta, and sulphate) (µg/l)	BDL	0.2	0.4	SOP NO. ETL/Pest/2022/01
12	Ethion (µg/l)	BDL	2.0	3.0	SOP NO. ETL/Pest/2022/01
13	Gamma -HCH (Lindane) (µg/l)	BDL	0.01	2.0	SOP NO. ETL/Pest/2022/01
14	Isoproturon (µg/l)	BDL	5.0	9.0	SOP NO. ETL/Pest/2022/01
15	Malathion (µg/l)	BDL	100	190	SOP NO. ETL/Pest/2022/01
16	Methyl parathion (µg/l)	BDL	0.2	0.3	SOP NO. ETL/Pest/2022/01
17	Monocrotophos (µg/l)	BDL	0.5	1.0	SOP NO. ETL/Pest/2022/22
18	Phorate (µg/l)	BDL	1.0	2.0	SOP NO. ETL/Pest/2022/01



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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TC-5879



## TEST REPORT

Kuantum Paper Limited

Saila Khurd, Railway Rd, Hoshiarpur, Punjab -146001

Customer Ref. Number	PO No.4300007804, PO Date 06.12.2024	Report No.	ETL/01012025/4222
Sample Code given by Customer	Not Mentioned	Report Date.	01.01.2025
Type of Sample	Drinking Water	ULR No.	TC587924000005098F
Sampling Condition	Satisfactory	Sample Reg No.	ETL/W/26122024/4222
Quantity	5.25 LTR	Date of Sampling	25.12.2024
Sampling Location	Canteen Water Cooler (KPL)	Date of Sample Receipt	26.12.2024
Sample Collected By	Mr. K.K. Mishra & Team	Date of Test Performance	27.12.2024 - 01.01.2025
Sampling Procedure	As per lab SOP	Packing Mode	Plastic Bottle & Glass Bottle

Discipline: Biological

Group: Water

Sample Description: Clear and Colourless Liquid

### PART D

S.No.	Parameters	Results	Requirement as per IS 10500:2012 (Amendment No. 04-Nov-2021)	Test method
1	E. coli	Not Detected	shall not be detectable in 100ml	IS 15185:2016
2	Total coliform	Not Detected	shall not be detectable in 100 ml	IS 15185:2016

\*\*END OF REPORT\*\*



  
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## TEST REPORT

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Saila Khurd, Railway Rd, Hoshiarpur, Punjab -146001

Customer Ref. Number	PO No.4300007804,PO Date 06.12.2024	Report No.	ETL/01012025/4222
Sample Code given by Customer	Not Mentioned	Report Date.	01.01.2025
Type of Sample	Drinking Water	ULR No.	Not Applicable
Sampling Condition	Satisfactory	Sample Reg No.	ETL/W/26122024/4222
Quantity	5.25 LTR	Date of Sampling	25.12.2024
Sampling Location	Canteen Water Cooler (KPL)	Date of Sample Receipt	26.12.2024
Sample Collected By	Mr. K.K Mishra & Team	Date of Test Performance	27.12.2024 - 01.01.2025
Sampling Procedure	As Per Lab SOP	Packing Mode	Plastic Bottle & Glass Bottle

**Discipline: Chemical**

**Group: Water**

**Sample Description: Clear and colourless liquid**

### PART E

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	Not Detected	0.2	1.0	Annex K of IS 13428
2	Barium (as Ba), mg/l, Max	Not Detected	0.7	No relaxation	Annex F of IS 13428
3	Mineral oil, mg/l, Max	Not Detected	1.0	No relaxation	Clause 6 of IS 3025, (Part 39) Infrared partition Method
4	Molybdenum (as Mo), mg/L, Max	Not Detected	0.07	No relaxation	IS 3025 (Part-2)
5	Polychlorinated biphenyl, mg/L, Max	Not Detected	0.0005	No relaxation	ASTM 5175
6	Polynuclear aromatic hydrocarbons (as PAH) mg/L, Max	Not Detected	0.0001	No relaxation	APHA 6440 or APHA 6630
7	Bromoform, mg/l, Max	Not Detected	0.1	No relaxation	APHA 6232
8	Dibromochloromethane, mg/l, Max	Not Detected	0.1	No relaxation	APHA 6232
9	Bromodichloromethane, mg/l, Max	Not Detected	0.06	No relaxation	APHA 6232
10	Chloroform mg/l, Max	Not Detected	0.2	No relaxation	APHA 6232



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TC-5879



## TEST REPORT

**Kuantum Paper Limited**

Saila Khurd, Railway Rd, Hoshiarpur, Punjab -146001

Customer Ref. Number	PO No.4300007804, PO Date 06.12.2024	Report No.	ETL/01012025/4223
Sample Code given by Customer	Not Mentioned	Report Date.	01.01.2025
Type of Sample	Drinking Water	ULR No.	TC587924000005099F
Sampling Condition	Satisfactory	Sample Reg No.	ETL/W/26122024/4223
Quantity	5.25 LTR	Date of Sampling	25.12.2024
Sampling Location	Guest House Water Cooler (KPL)	Date of Sample Receipt	26.12.2024
Sample Collected By	Mr. K.K. Mishra & Team	Date of Test Performance	27.12.2024 - 01.01.2025
Sampling Procedure	As per lab SOP	Packing Mode	Plastic Bottle & Glass Bottle

**Discipline: Chemical**

**Group: Water**

**Sample Description: Clear and Colourless 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)	BDL (DL = 5)	5	15	IS 3025(P-4) 2021; APHA 23rd Edition:2120B
2	Odour	Agreeable	Agreeable	Agreeable	APHA 23rd Edition:2150 B
3	pH @ 25°C	7.30	6.5 – 8.5	No relaxation	IS 3025(P-11) 2022; APHA 23rd Edition:4500
4	Taste	Agreeable	Agreeable	Agreeable	IS 3025(P-8) 2023
5	Turbidity	BDL (DL = 1.00)	Max 1 NTU	Max 5 NTU	IS 3025 (P -10) 2023; APHA23rd Edition :2130B
6	Total Dissolved Solids (mg/l)	248	Max 500	Max 2000	IS 3025 (P-16) 2023; APHA 23rd Edition:2540 C
7	Ammonical Nitrogen as N (mg/l)	BDL (DL = 0.50)	Max 0.5	No relaxation	IS 3025 (P-34) 1988; APHA 23rd Edition:4500-NH3 C
8	Calcium (as Ca) (mg/l)	49.6	Max 75	Max 200	IS 3025(P-40) 1991; APHA 23rd Edition 3500Ca B
9	Chloramines as Cl <sub>2</sub> (mg/l)	BDL (DL = 0.10)	Max 4	No relaxation	APHA 23rd Edition:4500 G
10	Chloride as Cl (mg/l)	29.1	Max 250	Max 1000	IS 3025(P-32) 1988; APHA 23rd Edition:4500 Cl B
11	Fluoride (as F) (mg/l)	0.1	Max 1.0	Max 1.5	IS 3025(P-60) 2008; APHA 23rd Edition:4500 F
12	Free Residual Chlorine (mg/l)	BDL (DL = 0.10)	Max 0.2	Max 1	IS 3025 (P-26) 2021; APHA 23rd Edition :4500 Cl B
13	Magnesium (as Mg) (mg/l)	11.2	Max 30	Max 100	IS 3025 (Part-46) 2023; APHA23rd Edition :3500Mg B
14	Nitrate (as NO <sub>3</sub> ) (mg/l)	1.8	Max 45	No relaxation	IS 3025 (P-34) 1988; APHA23rd Edition:4500 NO <sub>3</sub> B
15	Phenolic Compounds (as C <sub>6</sub> H <sub>5</sub> OH) (mg/l)	BDL	Max 0.001	Max 0.002	APHA 23rd Edition Chloroform Extraction Method, 5530 C



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TC-5879



## TEST REPORT

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Saila Khurd, Railway Rd, Hoshiarpur, Punjab -146001

16	Sulphate (as SO <sub>4</sub> ) (mg/l)	7.5	Max 200	Max 400	IS 3025 (P-24) Sec 1:2022; APHA 23rd Edition :4500 SO <sub>4</sub> 2 E
17	Sulphide as S (mg/l)	BDL (DL = 0.50)	Max 0.05	No relaxation	IS 3025(P-29) 2022; APHA 23rd Edition:4500 S F
18	Total Alkalinity (as CaCO <sub>3</sub> ) (mg/l)	180	Max 200	Max 600	IS 3025(P-23) 2023; APHA 23rd Edition:2320 B
19	Total Hardness(as CaCO <sub>3</sub> ) (mg/l)	170	Max 200	Max 600	IS 3025 (P-21) 2009; APHA 23rd Edition :2340 C
20	Sodium (as Na) (mg/l)	25	--	--	IS 3025 (P-45) 1993; APHA 23rd Edition :3500_Na B
21	Potassium (as K) (mg/l)	0.8	--	--	IS 3025 (P-45) 1993; APHA 23rd Edition :3500 K B



  
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Saila Khurd, Railway Rd, Hoshiarpur, Punjab -146001

Customer Ref. Number	PO No.4300007804, PO Date 06.12.2024	Report No.	ETL/01012025/4223
Sample Code given by Customer	Not Mentioned	Report Date.	01.01.2025
Type of Sample	Drinking Water	ULR No.	TC587924000005099F
Sampling Condition	Satisfactory	Sample Reg No.	ETL/W/26122024/4223
Quantity	5.25 LTR	Date of Sampling	25.12.2024
Sampling Location	Guest House Water Cooler (KPL)	Date of Sample Receipt	26.12.2024
Sample Collected By	Mr. K.K. Mishra & Team	Date of Test Performance	27.12.2024 - 01.01.2025
Sampling Procedure	As per lab SOP	Packing Mode	Plastic Bottle & Glass Bottle

**Discipline: Chemical**

**Group: Residues and contaminants in water**

**SSample Description: Clear and Colourless 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	Boron as B (mg/l)	BDL (DL = 0.10)	Max 0.5	Max 2.4	IS 3025(P-57) 2021; APHA 23rd Edition:4500 B
2	Copper (as Cu) (mg/l)	BDL (DL = 0.02)	Max 0.05	Max 1.5	APHA 23rd Edition 2017-3111 B
3	Iron ( as Fe) (mg/l)	0.19	Max 1.0	No relaxation	APHA 23rd Edition 3111B
4	Selenium (as Se) (mg/l)	BDL (DL = 0.00)	Max 0.01	No relaxation	APHA 23rd Edition 2017 3114B
5	Zinc (as Zn) (mg/l)	BDL (DL = 0.05)	Max 5	Max 15	APHA 23rd Edition 2017-3111B
6	Cadmium (as Cd) (mg/l)	BDL (DL = 0.02)	Max 0.003	No relaxation	APHA 23rd Edition 2017-3111B
7	Cyanide as CN (mg/l)	BDL (DL = 0.01)	Max 0.05	No relaxation	APHA 23rd Edition:4500 E
8	Lead (as Pb) (mg/l)	BDL (DL = 0.01)	Max 0.01	No relaxation	APHA 23rd Edition 2017-3111B
9	Mercury (as Hg) (mg/l)	BDL (DL=0.001)	Max 0.001	No relaxation	APHA 23rd Edition 2017 3114B
10	Nickel ( as Ni) (mg/l)	BDL (DL = 0.02)	Max 0.02	No relaxation	APHA 23rd Edition 2017-3111B
11	Arsenic (as As) (mg/l)	BDL (DL = 0.005)	Max 0.01	0.05	APHA 23rd Edition 2017-3114B
12	Total Chromium (as Cr) (mg/l)	BDL (DL = 0.04)	Max 0.05	No relaxation	APHA 23rd Edition 2017-3113B
13	Silver (as Ag) (mg/l)	BDL (DL = 0.05)	Max 0.1	No relaxation	APHA 23rd Edition 2017-3114B
14	Manganese (as Mn) (mg/l)	BDL (DL = 0.02)	Max 0.1	Max 0.3	APHA 23rd Edition 2017-3111B



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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TC-5879



## TEST REPORT

**Kvantum Paper Limited**

Saila Khurd, Railway Rd, Hoshiarpur, Punjab - 146001

Customer Ref. Number	PO No.4300007804, PO Date 06.12.2024	Report No.	ETL/01012025/4223
Sample Code given by Customer	Not Mentioned	Report Date.	01.01.2025
Type of Sample	Drinking Water	ULR No.	TC587924000005099F
Sampling Condition	Satisfactory	Sample Reg No.	ETL/W/26122024/4223
Quantity	5.25 LTR	Date of Sampling	25.12.2024
Sampling Location	Guest House Water Cooler (KPL)	Date of Sample Receipt	26.12.2024
Sample Collected By	Mr. K.K. Mishra & Team	Date of Test Performance	27.12.2024 - 01.01.2025
Sampling Procedure	As per lab SOP	Packing Mode	Plastic Bottle & Glass Bottle

**Discipline: Chemical**

**Group: Residues and contaminants in water**

**Sample Description: Clear and Colourless Liquid**

### PART C

S.No.	Parameters	Results	Limits of IS: 10500 - 2012		Test method
			Detection Limit (µg/l)	Acceptable Limit (µg/l)	
1	Alachlor (µg/l)	BDL	0.01	20	SOP NO. ETL/Pest/2022/01
2	Atrazine (µg/l)	BDL	0.01	2	SOP NO. ETL/Pest/2022/02
3	Aldrin/ Dieldrin (µg/l)	BDL	0.01	0.03	SOP NO. ETL/Pest/2022/01
4	Alpha HCH (µg/l)	BDL	0.01	0.01	SOP NO. ETL/Pest/2022/01
5	Beta HCH (µg/l)	BDL	0.01	0.04	SOP NO. ETL/Pest/2022/01
6	Butachlor (µg/l)	BDL	0.01	125	SOP NO. ETL/Pest/2022/01
7	Chlorpyrifos (µg/l)	BDL	0.01	30	SOP NO. ETL/Pest/2022/01
8	Delta HCH (µg/l)	BDL	0.01	0.04	SOP NO. ETL/Pest/2022/01
9	2,4- Dichlorophenoxyacetic acid (µg/l)	BDL	20	30	SOP NO. ETL/Pest/2022/01
10	DDT(o, p and p, p-Isomers of DDT, DDE and DDD) (µg/l)	BDL	0.2	1.0	SOP NO. ETL/Pest/2022/01
11	Endosulfan (Alpha, Beta, and sulphate) (µg/l)	BDL	0.2	0.4	SOP NO. ETL/Pest/2022/01
12	Ethion (µg/l)	BDL	2.0	3.0	SOP NO. ETL/Pest/2022/01
13	Gamma -HCH (Lindane) (µg/l)	BDL	0.01	2.0	SOP NO. ETL/Pest/2022/01
14	Isoproturon (µg/l)	BDL	5.0	9.0	SOP NO. ETL/Pest/2022/01
15	Malathion (µg/l)	BDL	100	190	SOP NO. ETL/Pest/2022/01
16	Methyl parathion (µg/l)	BDL	0.2	0.3	SOP NO. ETL/Pest/2022/01
17	Monocrotophos (µg/l)	BDL	0.5	1.0	SOP NO. ETL/Pest/2022/22
18	Phorate (µg/l)	BDL	1.0	2.0	SOP NO. ETL/Pest/2022/01



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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TC-5879



## TEST REPORT

**Kuantum Paper Limited**

Saila Khurd, Railway Rd, Hoshiarpur, Punjab -146001

Customer Ref. Number	PO No.4300007804, PO Date 06.12.2024	Report No.	ETL/01012025/4223
Sample Code given by Customer	Not Mentioned	Report Date.	01.01.2025
Type of Sample	Drinking Water	ULR No.	TC587924000005099F
Sampling Condition	Satisfactory	Sample Reg No.	ETL/W/26122024/4223
Quantity	5.25 LTR	Date of Sampling	25.12.2024
Sampling Location	Guest House Water Cooler (KPL)	Date of Sample Receipt	26.12.2024
Sample Collected By	Mr. K.K. Mishra & Team	Date of Test Performance	27.12.2024 - 01.01.2025
Sampling Procedure	As per lab SOP	Packing Mode	Plastic Bottle & Glass Bottle

**Discipline: Biological**

**Group: Water**

**Sample Description: Clear and Colourless Liquid**

### PART D

S.No.	Parameters	Results	Requirement as per IS 10500:2012 (Amendment No. 04-Nov-2021)	Test method
1	E. coli	Not Detected	shall not be detectable in 100ml	IS 15185:2016
2	Total coliform	Not Detected	shall not be detectable in 100 ml	IS 15185:2016

**\*\*END OF REPORT\*\***



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**Kuantum Paper Limited**

Saila Khurd, Railway Rd, Hoshiarpur, Punjab -146001

Customer Ref. Number	PO No.4300007804, PO Date 06.12.2024	Report No.	ETL/01012025/4223
Sample Code given by Customer	Not Mentioned	Report Date.	01.01.2025
Type of Sample	Drinking Water	ULR No.	Not Applicable
Sampling Condition	Satisfactory	Sample Reg No.	ETL/W/26122024/4223
Quantity	5.25 LTR	Date of Sampling	25.12.2024
Sampling Location	Guest House Water Cooler (KPL)	Date of Sample Receipt	26.12.2024
Sample Collected By	Mr. K.K Mishra & Team	Date of Test Performance	27.12.2024 - 01.01.2025
Sampling Procedure	As Per Lab SOP	Packing Mode	Plastic Bottle & Glass Bottle

**Discipline: Chemical**

**Sample Description: Clear and colourless liquid**

**Group: Water**

### PARTE

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	Not Detected	0.2	1.0	Annex K of IS 13428
2	Barium (as Ba), mg/l, Max	Not Detected	0.7	No relaxation	Annex F of IS 13428
3	Mineral oil, mg/l, Max	Not Detected	1.0	No relaxation	Clause 6 of IS 3025, (Part 39) Infrared partition Method
4	Molybdenum (as Mo), mg/L, Max	Not Detected	0.07	No relaxation	IS 3025 (Part-2)
5	Polychlorinated biphenyl, mg/L, Max	Not Detected	0.0005	No relaxation	ASTM 5175
6	Polynuclear aromatic hydrocarbons (as PAH) mg/L, Max	Not Detected	0.0001	No relaxation	APHA 6440 or APHA 6630
7	Bromoform, mg/l, Max	Not Detected	0.1	No relaxation	APHA 6232
8	Dibromochloromethane, mg/l, Max	Not Detected	0.1	No relaxation	APHA 6232
9	Bromodichloromethane, mg/l, Max	Not Detected	0.06	No relaxation	APHA 6232
10	Chloroform mg/l, Max	Not Detected	0.2	No relaxation	APHA 6232



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TC-5879



## TEST REPORT

**Kvantum Paper Limited**

Saila Khurd, Railway Rd, Hoshiarpur, Punjab -146001

Customer Ref. Number	PO No.4300007804, PO Date 06.12.2024	Report No.	ETL/01012025/4224
Sample Code given by Customer	Not Mentioned	Report Date.	01.01.2025
Type of Sample	Drinking Water	ULR No.	TC587924000005100F
Sampling Condition	Satisfactory	Sample Reg No.	ETL/W/26122024/4224
Quantity	5.25 LTR	Date of Sampling	25.12.2024
Sampling Location	Water Reservoir Tank	Date of Sample Receipt	26.12.2024
Sample Collected By	Mr. K.K. Mishra & Team	Date of Test Performance	27.12.2024 - 01.01.2025
Sampling Procedure	As per lab SOP	Packing Mode	Plastic Bottle & Glass Bottle

**Discipline: Chemical**

**Group: Water**

**Sample Description: Clear and Colourless 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)	BDL (DL = 5)	5	15	IS 3025(P-4) 2021; APHA 23rd Edition:2120B
2	Odour	Agreeable	Agreeable	Agreeable	APHA 23rd Edition:2150 B
3	pH @ 25°C	7.11	6.5 - 8.5	No relaxation	IS 3025(P-11) 2022; APHA 23rd Edition:4500
4	Taste	Agreeable	Agreeable	Agreeable	IS 3025(P-8) 2023
5	Turbidity	BDL (DL = 1.00)	Max 1 NTU	Max 5 NTU	IS 3025 (P-10) 2023; APHA23rd Edition :2130B
6	Total Dissolved Solids (mg/l)	370	Max 500	Max 2000	IS 3025 (P-16) 2023; APHA 23rd Edition:2540 C
7	Ammonical Nitrogen as N (mg/l)	BDL (DL = 0.50)	Max 0.5	No relaxation	IS 3025 (P-34) 1988; APHA 23rd Edition:4500-NH3 C
8	Calcium (as Ca) (mg/l)	60.8	Max 75	Max 200	IS 3025(P-40) 1991; APHA 23rd Edition 3500Ca B
9	Chloramines as Cl <sub>2</sub> (mg/l)	BDL (DL = 0.10)	Max 4	No relaxation	APHA 23rd Edition:4500 G
10	Chloride as Cl (mg/l)	44.7	Max 250	Max 1000	IS 3025(P-32) 1988; APHA 23rd Edition:4500 Cl B
11	Fluoride (as F) (mg/l)	0.12	Max 1.0	Max 1.5	IS 3025(P-60) 2008; APHA 23rd Edition:4500 F
12	Free Residual Chlorine (mg/l)	BDL (DL = 0.10)	Max 0.2	Max 1	IS 3025 (P-26) 2021; APHA 23rd Edition :4500 Cl B
13	Magnesium (as Mg) (mg/l)	6.8	Max 30	Max 100	IS 3025 (Part-46) 2023; APHA23rd Edition :3500Mg B
14	Nitrate (as NO <sub>3</sub> ) (mg/l)	2.4	Max 45	No relaxation	IS 3025 (P-34) 1988; APHA23rd Edition:4500 NO3 B
15	Phenolic Compunds (as C <sub>6</sub> H <sub>5</sub> OH) (mg/l)	BDL (DL=0.001)	Max 0.001	Max 0.002	APHA 23rd Edition Chloroform Extraction Method, 5530 C



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TC-5879



## TEST REPORT

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16	Sulphate (as SO <sub>4</sub> ) (mg/l)	13.9	Max 200	Max 400	IS 3025 (P-24) Sec 1:2022; APHA 23rd Edition :4500 SO <sub>4</sub> E
17	Sulphide as S (mg/l)	BDL (DL = 0.50)	Max 0.05	No relaxation	IS 3025(P-29) 2022; APHA 23rd Edition:4500 S F
18	Total Alkalinity (as CaCO <sub>3</sub> ) (mg/l)	220	Max 200	Max 600	IS 3025(P-23) 2023; APHA 23rd Edition:2320 B
19	Total Hardness(as CaCO <sub>3</sub> ) (mg/l)	180	Max 200	Max 600	IS 3025 (P-21) 2009; APHA 23rd Edition :2340 C
20	Sodium (as Na) (mg/l)	54	--	--	IS 3025 (P-45) 1993; APHA 23rd Edition :3500 Na B
21	Potassium (as K) (mg/l)	1.2	--	--	IS 3025 (P-45) 1993; APHA 23rd Edition :3500 K B



  
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**Kuantum Paper Limited**

Saila Khurd, Railway Rd, Hoshiarpur, Punjab -146001

Customer Ref. Number	PO No.4300007804, PO Date 06.12.2024	Report No.	ETL/01012025/4224
Sample Code given by Customer	Not Mentioned	Report Date.	01.01.2025
Type of Sample	Drinking Water	ULR No.	TC587924000005100F
Sampling Condition	Satisfactory	Sample Reg No.	ETL/W/26122024/4224
Quantity	5.25 LTR	Date of Sampling	25.12.2024
Sampling Location	Water Reservoir Tank	Date of Sample Receipt	26.12.2024
Sample Collected By	Mr. K.K. Mishra & Team	Date of Test Performance	27.12.2024 - 01.01.2025
Sampling Procedure	As per lab SOP	Packing Mode	Plastic Bottle & Glass Bottle

**Discipline: Chemical**

**Group: Residues and contaminants in water**

**Sample Description: Clear and Colourless 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	Boron as B (mg/l)	BDL (DL = 0.10)	Max 0.5	Max 2.4	IS 3025(P-57) 2021; APHA 23rd Edition:4500 B
2	Copper (as Cu) (mg/l)	BDL (DL = 0.02)	Max 0.05	Max 1.5	APHA 23rd Edition 2017-3111 B
3	Iron ( as Fe) (mg/l)	0.13	Max 1.0	No relaxation	APHA 23rd Edition 3111B
4	Selenium (as Se) (mg/l)	BDL (DL = 0.001)	Max 0.01	No relaxation	APHA 23rd Edition 2017 3114B
5	Zinc (as Zn) (mg/l)	BDL (DL = 0.05)	Max 5	Max 15	APHA 23rd Edition 2017-3111B
6	Cadmium (as Cd) (mg/l)	BDL (DL = 0.02)	Max 0.003	No relaxation	APHA 23rd Edition 2017-3111B
7	Cyanide as CN (mg/l)	BDL (DL = 0.01)	Max 0.05	No relaxation	APHA 23rd Edition:4500 E
8	Lead (as Pb) (mg/l)	BDL (DL = 0.01)	Max 0.01	No relaxation	APHA 23rd Edition 2017-3111B
9	Mercury (as Hg) (mg/l)	BDL (DL=0.001)	Max 0.001	No relaxation	APHA 23rd Edition 2017 3114B
10	Nickel ( as Ni) (mg/l)	BDL (DL = 0.02)	Max 0.02	No relaxation	APHA 23rd Edition 2017-3111B
11	Arsenic (as As) (mg/l)	BDL (DL = 0.005)	Max 0.01	0.05	APHA 23rd Edition 2017-3114B
12	Total Chromium (as Cr) (mg/l)	BDL (DL = 0.04)	Max 0.05	No relaxation	APHA 23rd Edition 2017-3113B
13	Silver (as Ag) (mg/l)	BDL (DL = 0.05)	Max 0.1	No relaxation	APHA 23rd Edition 2017-3114B
14	Manganese (as Mn) (mg/l)	BDL (DL = 0.02)	Max 0.1	Max 0.3	APHA 23rd Edition 2017-3111B



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TC-5879



## TEST REPORT

**Kuantum Paper Limited**

Saila Khurd, Railway Rd, Hoshiarpur, Punjab -146001

Customer Ref. Number	PO No.4300007804, PO Date 06.12.2024	Report No.	ETL/01012025/4224
Sample Code given by Customer	Not Mentioned	Report Date.	01.01.2025
Type of Sample	Drinking Water	ULR No.	TC587924000005100F
Sampling Condition	Satisfactory	Sample Reg No.	ETL/W/26122024/4224
Quantity	5.25 LTR	Date of Sampling	25.12.2024
Sampling Location	Water Reservoir Tank	Date of Sample Receipt	26.12.2024
Sample Collected By	Mr. K.K. Mishra & Team	Date of Test Performance	27.12.2024 - 01.01.2025
Sampling Procedure	As per lab SOP	Packing Mode	Plastic Bottle & Glass Bottle

**Discipline: Chemical**

**Group: Residues and contaminants in water**

**Sample Description: Clear and Colourless Liquid**

### PART C

S.No.	Parameters	Results	Limits of IS: 10500 - 2012		Test method
			Detection Limit (µg/l)	Acceptable Limit (µg/l)	
1	Alachlor (µg/l)	BDL	0.01	20	SOP NO. ETL/Pest/2022/01
2	Atrazine (µg/l)	BDL	0.01	2	SOP NO. ETL/Pest/2022/02
3	Aldrin/ Dieldrin (µg/l)	BDL	0.01	0.03	SOP NO. ETL/Pest/2022/01
4	Alpha HCH (µg/l)	BDL	0.01	0.01	SOP NO. ETL/Pest/2022/01
5	Beta HCH (µg/l)	BDL	0.01	0.04	SOP NO. ETL/Pest/2022/01
6	Butachlor (µg/l)	BDL	0.01	125	SOP NO. ETL/Pest/2022/01
7	Chlorpyrifos (µg/l)	BDL	0.01	30	SOP NO. ETL/Pest/2022/01
8	Delta HCH (µg/l)	BDL	0.01	0.04	SOP NO. ETL/Pest/2022/01
9	2,4- Dichlorophenoxyacetic acid (µg/l)	BDL	20	30	SOP NO. ETL/Pest/2022/01
10	DDT(o, p and p, p-Isomers of DDT, DDE and DDD) (µg/l)	BDL	0.2	1.0	SOP NO. ETL/Pest/2022/01
11	Endosulfan (Alpha, Beta, and sulphate) (µg/l)	BDL	0.2	0.4	SOP NO. ETL/Pest/2022/01
12	Ethion (µg/l)	BDL	2.0	3.0	SOP NO. ETL/Pest/2022/01
13	Gamma -HCH (Lindane) (µg/l)	BDL	0.01	2.0	SOP NO. ETL/Pest/2022/01
14	Isoproturon (µg/l)	BDL	5.0	9.0	SOP NO. ETL/Pest/2022/01
15	Malathion (µg/l)	BDL	100	190	SOP NO. ETL/Pest/2022/01
16	Methyl parathion (µg/l)	BDL	0.2	0.3	SOP NO. ETL/Pest/2022/01
17	Monocrotophos (µg/l)	BDL	0.5	1.0	SOP NO. ETL/Pest/2022/22
18	Phorate (µg/l)	BDL	1.0	2.0	SOP NO. ETL/Pest/2022/01



*(Signature)*  
(Authorized Signatory)  
Technical Manager-I  
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



TC-5879



## TEST REPORT

Kuantum Paper Limited

Saifa Khurd, Railway Rd, Hoshiarpur, Punjab - 146001

Customer Ref. Number	PO No.4300007804, PO Date 06.12.2024	Report No.	ETL/01012025/4224
Sample Code given by Customer	Not Mentioned	Report Date.	01.01.2025
Type of Sample	Drinking Water	ULR No.	TC587924000005100F
Sampling Condition	Satisfactory	Sample Reg No.	ETL/W/26122024/4224
Quantity	5.25 LTR	Date of Sampling	25.12.2024
Sampling Location	Water Reservoir Tank	Date of Sample Receipt	26.12.2024
Sample Collected By	Mr. K.K. Mishra & Team	Date of Test Performance	27.12.2024 - 01.01.2025
Sampling Procedure	As per lab SOP	Packing Mode	Plastic Bottle & Glass Bottle

Discipline: Biological

Group: Water

Sample Description: Clear and Colourless Liquid

### PART D

S.No.	Parameters	Results	Requirement as per IS 10500:2012 (Amendment No. 04-Nov-2021)	Test method
1	E. coli	Not Detected	shall not be detectable in 100ml	IS 15185:2016
2	Total coliform	Not Detected	shall not be detectable in 100 ml	IS 15185:2016

\*\*END OF REPORT\*\*



(Authorized Signatory)  
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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



## TEST REPORT

### Kuantum Paper Limited

Saila Khurd, Railway Rd, Hoshiarpur, Punjab -146001

Customer Ref. Number	PO No.4300007804, PO Date 06.12.2024	Report No.	ETL/01012025/4224
Sample Code given by Customer	Not Mentioned	Report Date.	01.01.2025
Type of Sample	Drinking Water	ULR No.	Not Applicable
Sampling Condition	Satisfactory	Sample Reg No.	ETL/W/26122024/4224
Quantity	5.25 LTR	Date of Sampling	25.12.2024
Sampling Location	Water Reservoir Tank	Date of Sample Receipt	26.12.2024
Sample Collected By	Mr. K.K Mishra & Team	Date of Test Performance	27.12.2024 - 01.01.2025
Sampling Procedure	As Per Lab SOP	Packing Mode	Plastic Bottle & Glass Bottle

### Discipline: Chemical

Group: Water

Sample Description: Clear and colourless liquid

### PART E

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	Not Detected	0.2	1.0	Annex K of IS 13428
2	Barium (as Ba), mg/l, Max	Not Detected	0.7	No relaxation	Annex F of IS 13428
3	Mineral oil, mg/l, Max	Not Detected	1.0	No relaxation	Clause 6 of IS 3025, (Part 39) Infrared partition Method
4	Molybdenum (as Mo), mg/L, Max	Not Detected	0.07	No relaxation	IS 3025 (Part-2)
5	Polychlorinated biphenyl, mg/L, Max	Not Detected	0.0005	No relaxation	ASTM 5175
6	Polynuclear aromatic hydrocarbons (as PAH) mg/L, Max	Not Detected	0.0001	No relaxation	APHA 6440 or APHA 6630
7	Bromoform, mg/l, Max	Not Detected	0.1	No relaxation	APHA 6232
8	Dibromochloromethane, mg/l, Max	Not Detected	0.1	No relaxation	APHA 6232
9	Bromodichloromethane, mg/l, Max	Not Detected	0.06	No relaxation	APHA 6232
10	Chloroform mg/l, Max	Not Detected	0.2	No relaxation	APHA 6232



  
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Page 1 of 1

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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TC-5879



## TEST REPORT

### Kuantum Paper Limited

Saila Khurd, Railway Rd, Hoshiarpur, Punjab -146001

Customer Ref. Number	PO No.4300007804, PO Date 06.12.2024	Report No.	ETL/01012025/4214
Sample Code given by Customer	Not Mentioned	Report Date.	01.01.2025
Type of Sample	Waste Water	ULR No.	TC587924000005090F
Sampling Condition	Satisfactory	Sample Reg No.	ETL/E/26122024/4214
Quantity	2.00 LTR	Date of Sampling	25.12.2024
Sampling Location	ETP Inlet(Bio Inlet)High COD	Date of Sample Receipt	26.12.2024
Sample Collected By	Mr. K.K. Mishra & Team	Date of Test Performance	26.12.2024 - 01.01.2025
Sampling Procedure	As per lab SOP	Packing Mode	Plastic Bottle

**Discipline: Chemical** **Group: Pollution & Environment**

**Sample Description: Yellowish Brown Turbid Liquid with suspended particle**

S.No.	Parameters	Results	Test method
1	pH@25°C	7.53	IS 3025(P-11) 2022; APHA 23rd Edition:4500-H B
2	Total Suspended solids (mg/l)	2308	IS 3025(P-17) 2022; APHA 23rd Edition:2540 D
3	Total Dissolved Solids (mg/l)	2011	IS 3025(P-16) 2023; APHA 23rd Edition:2540C
4	Bio chemical Oxygen Demand (3 days@27°C) (mg/l)	880	IS 3025 (P-44) 2023; APHA 23rd Edition :5220 B
5	Chemical oxygen demand (mg/l)	2500	IS 3025(P-58) 2023; APHA 23rd Edition:5220B
6	Sodium absorbtion ratio	4.0	IS 11624-2019 (By calculations)

\*\*END OF REPORT\*\*



*(Signature)*  
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## TEST REPORT

### Kvantum Paper Limited

Saila Khurd, Railway Rd, Hoshiarpur, Punjab -146001

Customer Ref. Number	PO No.4300007804, PO Date 06.12.2024	Report No.	ETL/01012025/4215
Sample Code given by Customer	Not Mentioned	Report Date.	01.01.2025
Type of Sample	Waste Water	ULR No.	TC587924000005091F
Sampling Condition	Satisfactory	Sample Reg No.	ETL/E/26122024/4215
Quantity	2.00 LTR	Date of Sampling	25.12.2024
Sampling Location	ETP Inlet(Equalization Tank)Low COD	Date of Sample Receipt	26.12.2024
Sample Collected By	Mr. K.K. Mishra & Team	Date of Test Performance	26.12.2024 - 01.01.2025
Sampling Procedure	As per lab SOP	Packing Mode	Plastic Bottle

**Discipline: Chemical** **Group: Pollution & Environment**

**Sample Description: Yellow coloured liquid with suspended particles**

S.No.	Parameters	Results	Test method
1	pH@25°C	7.46	IS 3025(P-11) 2022; APHA 23rd Edition:4500-H B
2	Total Suspended solids (mg/l)	634	IS 3025(P-17) 2022; APHA 23rd Edition:2540 D
3	Total Dissolved Solids (mg/l)	1713	IS 3025(P-16) 2023; APHA 23rd Edition:2540C
4	Bio chemical Oxygen Demand (3 days@27°C) (mg/l)	530	IS 3025 (P-44) 2023; APHA 23rd Edition :5220 B
5	Chemical oxygen demand (mg/l)	1700	IS 3025(P-58) 2023; APHA 23rd Edition:5220B
6	Sodium absorbtion ratio	8.78	IS 11624-2019 (By calculations)

\*\*END OF REPORT\*\*



  
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Environ Tech Laboratories

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## TEST REPORT

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Saila Khurd, Railway Rd, Hoshiarpur, Punjab -146001

Customer Ref. Number	PO No.4300007804, PO Date 06.12.2024	Report No.	ETL/01012025/4219
Sample Code given by Customer	Not Mentioned	Report Date.	01.01.2025
Type of Sample	Waste Water	ULR No.	TC587924000005095F
Sampling Condition	Satisfactory	Sample Reg No.	ETL/E/26122024/4219
Quantity	2.00 LTR	Date of Sampling	25.12.2024
Sampling Location	ETP Outlet	Date of Sample Receipt	26.12.2024
Sample Collected By	Mr. K.K. Mishra & Team	Date of Test Performance	26.12.2024 - 01.01.2025
Sampling Procedure	As per lab SOP	Packing Mode	Plastic Bottle

**Discipline: Chemical**

**Group: Pollution & Environment**

**Sample Description: Light yellow coloured liquid with few suspended particles**

S.No.	Parameters	Results	General Standards for Discharge of Environmental Pollutants			Test method
			Inland surface Water	Public Sewers	Land for Irrigation	
1	pH @ 25°C	7.68	5.5 – 9.0	5.5 – 9.0	5.5 – 9.0	IS 3025(P-11) 2022; APHA 23rd Edition:4500-H B
2	Total Suspended Solids, mg/L	36	100	600	200	IS 3025(P-17) 2022; APHA 23rd Edition:2540 D
3	Total Dissolved Solid, mg/L	1547	--	--	--	IS 3025(P-16) 2023; APHA 23rd Edition:2540C
4	Biochemical Oxygen Demand (3 days @27°C), mg/L	20	30	350	100	IS 3025 (P-44) 2023; APHA 23rd Edition :5220 B
5	Chemical Oxygen Demand, mg/L	220	250	--	--	IS 3025(P-58) 2023; APHA 23rd Edition:5220B
6	Residual sodium carbonate	- 2.5	--	--	--	IS 11624-2019(By calculations)
7	Sodium absorption ratio	2.2	--	--	--	IS 11624-2019 (By calculations)

**\*\*END OF REPORT\*\***



*(Signature)*  
(Authorized Signatory)  
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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



## TEST REPORT

**Kuantum Paper Limited**

Saila Khurd, Railway Rd, Hoshiarpur, Punjab -146001

Customer Ref. Number	PO No.4300007804, PO Date 06.12.2024	Report No.	ETL/01012025/4219
Sample Code given by Customer	Not Mentioned	Report Date.	01.01.2025
Type of Sample	Waste Water	ULR No.	Not Applicable
Sampling Condition	Satisfactory	Sample Reg No.	ETL/E/26122024/4219
Quantity	2.00 LTR	Date of Sampling	25.12.2024
Sampling Location	ETP Outlet	Date of Sample Receipt	26.12.2024
Sample Collected By	Mr. K.K. Mishra & Team	Date of Test Performance	26.12.2024 - 01.01.2025
Sampling Procedure	As per lab SOP	Packing Mode	Plastic Bottle

**Discipline: Chemical**

**Group: Pollution & Environment**

**Sample Description: Light yellow coloured liquid with few suspended particles**

S.No.	Parameters	Results	General Standards for Discharge of Environmental Pollutants			Test method
			Inland surface Water	Public Sewers	Land for Irrigation	
1	AOX , mg/l	1.1	--	--	--	Lab SOP

**\*\*END OF REPORT\*\***



*[Signature]*  
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Environ Tech Laboratories

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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TC-5879



## TEST REPORT

### Kuantum Paper Limited

Saila Khurd, Railway Rd, Hoshiarpur, Punjab -146001

Customer Ref. Number	PO No.4300007804, PO Date 06.12.2024	Report No.	ETL/30122024/4262
Sample Code given by Customer	Not Mentioned	Report Date.	30.12.2024
Type of Sample	Work Zone Noise	ULR No.	TC587924000005138F
Sampling Condition	Not Applicable	Sample Reg No.	ETL/A/27122024/4262
Quantity	1.00 NOS	Date of Sampling	25.12.2024
Sampling Location	Pulp Mill Near MSBP	Date of Sample Receipt	27.12.2024
Sample Collected By	Mr. K.K. Mishra & Team	Date of Test Performance	27.12.2024 - 30.12.2024
Sampling Procedure	As per lab SOP	Packing Mode	Not Applicable

**Discipline: Chemical** **Group: Atmospheric Pollution**

**Sample Description: Not Applicable**

S.No.	Parameters	Results	Limit As Per Factories Act , 1948	Test method
1	Noise Level (dB(A) Leq)	79.6	97	IS 9989:1981

\*\*END OF REPORT\*\*



*Rameshwar Kumar*  
(Authorized Signatory)  
Technical Manager-II  
Environ Tech Laboratories

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TC-5879



## TEST REPORT

### Kvantum Paper Limited

Saila Khurd, Railway Rd, Hoshiarpur, Punjab -146001

Customer Ref. Number	PO No.4300007804, PO Date 06.12.2024	Report No.	ETL/30122024/4263
Sample Code given by Customer	Not Mentioned	Report Date.	30.12.2024
Type of Sample	Work Zone Noise	ULR No.	TC587924000005139F
Sampling Condition	Not Applicable	Sample Reg No.	ETL/A/27122024/4263
Quantity	1.00 NOS	Date of Sampling	25.12.2024
Sampling Location	Near Admin Block	Date of Sample Receipt	27.12.2024
Sample Collected By	Mr. K.K. Mishra & Team	Date of Test Performance	27.12.2024 - 30.12.2024
Sampling Procedure	As per lab SOP	Packing Mode	Not Applicable

**Discipline: Chemical** **Group: Atmospheric Pollution**

**Sample Description: Not Applicable**

S.No.	Parameters	Results	Limit As Per Factories Act , 1948	Test method
1	Noise Level (dB(A) Leq)	64.9	97	IS 9989:1981

\*\*END OF REPORT\*\*



*Rameshwar Kumar*  
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Technical Manager-II  
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## TEST REPORT

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Saila Khurd, Railway Rd, Hoshiarpur, Punjab -146001

Customer Ref. Number	PO No.4300007804, PO Date 06.12.2024	Report No.	ETL/30122024/4264
Sample Code given by Customer	Not Mentioned	Report Date.	30.12.2024
Type of Sample	Work Zone Noise	ULR No.	TC587924000005140F
Sampling Condition	Not Applicable	Sample Reg No.	ETL/A/27122024/4264
Quantity	1.00 NOS	Date of Sampling	25.12.2024
Sampling Location	M/C No.4	Date of Sample Receipt	27.12.2024
Sample Collected By	Mr. K.K. Mishra & Team	Date of Test Performance	27.12.2024 - 30.12.2024
Sampling Procedure	As per lab SOP	Packing Mode	Not Applicable

**Discipline: Chemical** **Group: Atmospheric Pollution**

**Sample Description: Not Applicable**

S.No.	Parameters	Results	Limit As Per Factories Act , 1948	Test method
1	Noise Level (dB(A) Leq)	79.9	97	IS 9989:1981

\*\*END OF REPORT\*\*



*Rameshwar Kumar*  
(Authorized Signatory)  
Technical Manager-II  
Environ Tech Laboratories

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Customer Ref. Number	PO No.4300007804, PO Date 06.12.2024	Report No.	ETL/30122024/4265
Sample Code given by Customer	Not Mentioned	Report Date.	30.12.2024
Type of Sample	Work Zone Noise	ULR No.	TC587924000005141F
Sampling Condition	Not Applicable	Sample Reg No.	ETL/A/27122024/4265
Quantity	1.00 NOS	Date of Sampling	25.12.2024
Sampling Location	M/C No.3	Date of Sample Receipt	27.12.2024
Sample Collected By	Mr. K.K. Mishra & Team	Date of Test Performance	27.12.2024 - 30.12.2024
Sampling Procedure	As per lab SOP	Packing Mode	Not Applicable

**Discipline: Chemical** **Group: Atmospheric Pollution**

**Sample Description: Not Applicable**

S.No.	Parameters	Results	Limit As Per Factories Act , 1948	Test method
1	Noise Level (dB(A) Leq)	81.7	97	IS 9989:1981

\*\*END OF REPORT\*\*



*Rameshwar Kumar*  
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Saila Khurd, Railway Rd, Hoshiarpur, Punjab -146001

Customer Ref. Number	PO No.4300007804, PO Date 06.12.2024	Report No.	ETL/30122024/4266
Sample Code given by Customer	Not Mentioned	Report Date.	30.12.2024
Type of Sample	Work Zone Noise	ULR No.	TC587924000005142F
Sampling Condition	Not Applicable	Sample Reg No.	ETL/A/27122024/4266
Quantity	1.00 NOS	Date of Sampling	25.12.2024
Sampling Location	Near Cutter Area	Date of Sample Receipt	27.12.2024
Sample Collected By	Mr. K.K. Mishra & Team	Date of Test Performance	27.12.2024 - 30.12.2024
Sampling Procedure	As per lab SOP	Packing Mode	Not Applicable

**Discipline: Chemical** **Group: Atmospheric Pollution**

**Sample Description: Not Applicable**

S.No.	Parameters	Results	Limit As Per Factories Act , 1948	Test method
1	Noise Level (dB(A) Leq)	80.6	97	IS 9989:1981

\*\*END OF REPORT\*\*



*Rameshwar Kumar*  
(Authorized Signatory)  
Technical Manager-II  
Environ Tech Laboratories

- Note:** DL: Denotes Detection Limit
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.





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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TC-5879



## TEST REPORT

### Kvantum Paper Limited

Saila Khurd, Railway Rd, Hoshiarpur, Punjab -146001

Customer Ref. Number	PO No.4300007804, PO Date 06.12.2024	Report No.	ETL/30122024/4267
Sample Code given by Customer	Not Mentioned	Report Date.	30.12.2024
Type of Sample	Work Zone Noise	ULR No.	TC587924000005143F
Sampling Condition	Not Applicable	Sample Reg No.	ETL/A/27122024/4267
Quantity	1.00 NOS	Date of Sampling	25.12.2024
Sampling Location	Near Blower(ETP)	Date of Sample Receipt	27.12.2024
Sample Collected By	Mr. K.K. Mishra & Team	Date of Test Performance	27.12.2024 - 30.12.2024
Sampling Procedure	As per lab SOP	Packing Mode	Not Applicable

**Discipline: Chemical** **Group: Atmospheric Pollution**

**Sample Description: Not Applicable**

S.No.	Parameters	Results	Limit As Per Factories Act , 1948	Test method
1	Noise Level (dB(A) Leq)	72.8	97	IS 9989:1981

\*\*END OF REPORT\*\*



*Rameshwar Kumar*  
(Authorized Signatory)  
Technical Manager-II  
Environ Tech Laboratories

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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TC-5879



## TEST REPORT

### Kvantum Paper Limited

Saila Khurd, Railway Rd, Hoshiarpur, Punjab -146001

Customer Ref. Number	PO No.4300007804, PO Date 06.12.2024	Report No.	ETL/30122024/4268
Sample Code given by Customer	Not Mentioned	Report Date.	30.12.2024
Type of Sample	Work Zone Noise	ULR No.	TC587924000005144F
Sampling Condition	Not Applicable	Sample Reg No.	ETL/A/27122024/4268
Quantity	1.00 NOS	Date of Sampling	25.12.2024
Sampling Location	Near Turbine No.4(60 TPH)	Date of Sample Receipt	27.12.2024
Sample Collected By	Mr. K.K. Mishra & Team	Date of Test Performance	27.12.2024 - 30.12.2024
Sampling Procedure	As per lab SOP	Packing Mode	Not Applicable

**Discipline: Chemical** **Group: Atmospheric Pollution**

**Sample Description: Not Applicable**

S.No.	Parameters	Results	Limit As Per Factories Act , 1948	Test method
1	Noise Level (dB(A) Leq)	81.8	97	IS 9989:1981

\*\*END OF REPORT\*\*



*Rameshwar Kumar*  
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Technical Manager-II  
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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TC-5879



## TEST REPORT

### Kvantum Paper Limited

Saila Khurd, Railway Rd, Hoshiarpur, Punjab -146001

Customer Ref. Number	PO No.4300007804, PO Date 06.12.2024	Report No.	ETL/30122024/4269
Sample Code given by Customer	Not Mentioned	Report Date.	30.12.2024
Type of Sample	Work Zone Noise	ULR No.	TC587924000005145F
Sampling Condition	Not Applicable	Sample Reg No.	ETL/A/27122024/4269
Quantity	1.00 NOS	Date of Sampling	25.12.2024
Sampling Location	Near Turbine No.5(130 TPH)	Date of Sample Receipt	27.12.2024
Sample Collected By	Mr. K.K. Mishra & Team	Date of Test Performance	27.12.2024 - 30.12.2024
Sampling Procedure	As per lab SOP	Packing Mode	Not Applicable

**Discipline: Chemical** **Group: Atmospheric Pollution**

**Sample Description: Not Applicable**

S.No.	Parameters	Results	Limit As Per Factories Act , 1948	Test method
1	Noise Level (dB(A) Leq)	82.4	97	IS 9989:1981

\*\*END OF REPORT\*\*



*Rameshwar Kumar*  
(Authorized Signatory)  
Technical Manager-II  
Environ Tech Laboratories

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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



## TEST REPORT

**Kuantum Paper Limited**

Saila Khurd, Railway Rd, Hoshiarpur, Punjab -146001

Customer Ref. Number	PO No.4300007804, PO Date 06.12.2024	Report No.	ETL/31122024/4272
Sample Code given by Customer	Not Mentioned	Report Date.	31.12.2024
Type of Sample	Noise Level	ULR No.	Not Applicable
Sampling Condition	Not Applicable	Sample Reg No.	ETL/A/27122024/4272
Quantity	1.00 NOS	Date of Sampling	25.12.2024
Sampling Location	DG Set - 30 KVA - In Admin Block	Date of Sample Receipt	27.12.2024
Sample Collected By	Mr. K.K. Mishra & Team	Date of Test Performance	27.12.2024 - 31.12.2024
Sampling Procedure	As per lab SOP	Packing Mode	Not Applicable

**Discipline: Chemical**

**Group: Atmospheric Pollution**

Instrument Used for Sampling	Noise meter
Source	DG Set - 30 KVA - In Admin Block
Engine Make and S. No	Cummins-2103B06392
Mfg. Year:	23.03.2021
Fuel Used	HSD

Sr.No.	PARAMETERS	RESULTS	Limits as per CPCB	TEST METHOD
1	Average Noise Levels measured at different points from the acoustic enclosed surface OPEN Leq dB(A)	95.6	Not specified	IS:4758-1968
2	Average Noise Levels measured at different points at 1 m from the acoustic enclosed surface CLOSED Leq dB(A)	70.4	75.0 (Max)	IS:4758-1968
3	Insertion loss of DG enclosure surface dB(A)	25.2	25.0 (Min)	IS:4758-1968

**\*\*END OF REPORT\*\***



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(Authorized Signatory)  
Technical Manager-II  
Environ Tech Laboratories

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



## TEST REPORT

**Kuantum Paper Limited**

Saila Khurd, Railway Rd, Hoshiarpur, Punjab -146001

Customer Ref. Number	PO No.4300007804, PO Date 06.12.2024	Report No.	ETL/31122024/4273
Sample Code given by Customer	Not Mentioned	Report Date.	31.12.2024
Type of Sample	Noise Level	ULR No.	Not Applicable
Sampling Condition	Not Applicable	Sample Reg No.	ETL/A/27122024/4273
Quantity	1.00 NOS	Date of Sampling	25.12.2024
Sampling Location	DG Set 50 KVA	Date of Sample Receipt	27.12.2024
Sample Collected By	Mr. K.K. Mishra & Team	Date of Test Performance	27.12.2024 - 31.12.2024
Sampling Procedure	As per lab SOP	Packing Mode	Not Applicable

**Discipline: Chemical**

**Group: Atmospheric Pollution**

Instrument Used for Sampling	Noise meter
Source	DG Set - 50 KVA - In Old CRP
Engine Make and S. No	Cummins-3003/0800371
Mfg. Year:	06.2008
Fuel Used	HSD

Sr.No.	PARAMETERS	RESULTS	Limits as per CPCB	TEST METHOD
1	Average Noise Levels measured at different points from the acoustic enclosed surface OPEN Leq dB(A)	96.4	Not specified	IS:4758-1968
2	Average Noise Levels measured at different points at 1 m from the acoustic enclosed surface CLOSED Leq dB(A)	70.9	75.0 (Max)	IS:4758-1968
3	Insertion loss of DG enclosure surface dB(A)	25.5	25.0 (Min)	IS:4758-1968

**\*\*END OF REPORT\*\***



*Rameshwar Kumar*  
(Authorized Signatory)  
Technical Manager-II  
Environ Tech Laboratories

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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



## TEST REPORT

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Saila Khurd, Railway Rd, Hoshiarpur, Punjab -146001

Customer Ref. Number	PO No.4300007804, PO Date 06.12.2024	Report No.	ETL/31122024/4271
Sample Code given by Customer	Not Mentioned	Report Date.	31.12.2024
Type of Sample	Noise Level	ULR No.	Not Applicable
Sampling Condition	Not Applicable	Sample Reg No.	ETL/A/27122024/4271
Quantity	1.00 NOS	Date of Sampling	25.12.2024
Sampling Location	DG Set - 160 KVA - In New CRP	Date of Sample Receipt	27.12.2024
Sample Collected By	Mr. K.K. Mishra & Team	Date of Test Performance	27.12.2024 - 31.12.2024
Sampling Procedure	As per lab SOP	Packing Mode	Not Applicable

Discipline: Chemical

Group: Atmospheric Pollution

Instrument Used for Sampling	Noise meter
Source	DG Set - 160 KVA - In New CRP
Engine Make and S. No	Cummins-84913143
Mfg. Year:	13.01.2020
Fuel Used	HSD

Sr.No.	PARAMETERS	RESULTS	Limits as per CPCB	TEST METHOD
1	Average Noise Levels measured at different points from the acoustic enclosed surface OPEN Leq dB(A)	97.3	Not specified	IS:4758-1968
2	Average Noise Levels measured at different points at 1 m from the acoustic enclosed surface CLOSED Leq dB(A)	71.9	75.0 (Max)	IS:4758-1968
3	Insertion loss of DG enclosure surface dB(A)	25.4	25.0 (Min)	IS:4758-1968

\*\*END OF REPORT\*\*



*Rameshwar Kumar*  
(Authorized Signatory)  
Technical Manager-II  
Environ Tech Laboratories

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



## TEST REPORT

Kvantum Paper Limited

Saila Khurd, Railway Rd, Hoshiarpur, Punjab -146001

Customer Ref. Number	PO No.4300007804, PO Date 06.12.2024	Report No.	ETL/31122024/4270
Sample Code given by Customer	Not Mentioned	Report Date.	31.12.2024
Type of Sample	Noise Level	ULR No.	Not Applicable
Sampling Condition	Not Applicable	Sample Reg No.	ETL/A/27122024/4270
Quantity	1.00 NOS	Date of Sampling	25.12.2024
Sampling Location	DG Set - 160 KVA - In ClO2 Plant	Date of Sample Receipt	27.12.2024
Sample Collected By	Mr. K.K. Mishra & Team	Date of Test Performance	27.12.2024 - 31.12.2024
Sampling Procedure	As per lab SOP	Packing Mode	Not Applicable

Discipline: Chemical

Group: Atmospheric Pollution

Instrument Used for Sampling	Noise meter
Source	DG Set - 160 KVA - In ClO2 Plant
Engine Make and S. No	Cummins-84473539
Mfg. Year:	13.07.2018
Fuel Used	HSD

Sr.No.	PARAMETERS	RESULTS	Limits as per CPCB	TEST METHOD
1	Average Noise Levels measured at different points from the acoustic enclosed surface OPEN Leq dB(A)	97.0	Not specified	IS:4758-1968
2	Average Noise Levels measured at different points at 1 m from the acoustic enclosed surface CLOSED Leq dB(A)	71.7	75.0 (Max)	IS:4758-1968
3	Insertion loss of DG enclosure surface dB(A)	25.3	25.0 (Min)	IS:4758-1968

\*\*END OF REPORT\*\*



*Rameshwar Kumar*  
(Authorized Signatory)  
Technical Manager-II  
Environ Tech Laboratories

Note:

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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TC-5879



## TEST REPORT

**Kvantum Paper Limited**

Saila Khurd, Railway Rd, Hoshiarpur, Punjab -146001

Customer Ref. Number	PO No.4300007804, PO Date 06.12.2024	Report No.	ETL/01012025/4225
Sample Code given by Customer	Not Mentioned	Report Date.	01.01.2025
Type of Sample	Ground Water	ULR No.	TC587924000005101F
Sampling Condition	Satisfactory	Sample Reg No.	ETL/W/26122024/4225
Quantity	2.00 LTR	Date of Sampling	25.12.2024
Sampling Location	Piezometer No 1 , Village Saila Khurd	Date of Sample Receipt	26.12.2024
Sample Collected By	Mr. K.K. Mishra & Team	Date of Test Performance	27.12.2024 - 01.01.2025
Sampling Procedure	As per lab SOP	Packing Mode	Plastic Bottle

**Discipline: Chemical**

**Group: Water**

**Sample Description: Clear and colourless 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	pH @ 25°C	7.48	6.5 – 8.5	No relaxation	IS 3025(P-11) 2022; APHA 23rd Edition:4500
2	Total Dissolved Solids (mg/l)	480	Max 500	Max 2000	IS 3025 (P-16) 2023; APHA 23rd Edition:2540 C
3	Calcium (as Ca) (mg/l)	65.6	Max 75	Max 200	IS 3025(P-40) 1991; APHA 23rd Edition 3500Ca B
4	Chloride as Cl (mg/l)	62.2	Max 250	Max 1000	IS 3025(P-32) 1988; APHA 23rd Edition:4500 Cl B
5	Fluoride as F (mg/l)	0.48	Max 1.0	Max 1.5	APHA 23rd Edition:4500 F-D
6	Magnesium (as Mg) (mg/l)	20.9	Max 30	Max 100	IS 3025 (Part-46) 2023; APHA23rd Edition :3500Mg B
7	Nitrate (as NO3) (mg/l)	2.5	Max 45	No relaxation	IS 3025 (P-34) 1988; APHA23rd Edition:4500 NO3 B
8	Sulphate (as SO4) (mg/l)	31	Max 200	Max 400	IS 3025 (P-24) Sec 1:2022; APHA 23rd Edition :4500 SO42 E
9	Total Alkalinity (as CaCO3) (mg/l)	270	Max 200	Max 600	IS 3025(P-23) 2023; APHA 23rd Edition:2320 B
10	Total Hardness(as CaCO3) (mg/l)	250	Max 200	Max 600	IS 3025 (P-21) 2009; APHA 23rd Edition :2340 C
11	Sodium (as Na) (mg/l)	60	--	--	IS 3025 (P-45) 1993; APHA 23rd Edition :3500 Na B
12	Potassium (as K) (mg/l)	4.5	--	--	IS 3025 (P-45) 1993; APHA 23rd Edition :3500 K B
13	Specific conductivity (micromho/cm)	701	--	--	IS 3025(P-14) 2013; APHA 23rd Edition:4500 S F
14	Boron as B (mg/l)	BDL (DL = 0.10)	Max 0.5	Max 2.4	APHA 23rd Edition 4500B

**\*\*END OF REPORT\*\***



*(Signature)*  
(Authorized Signatory)  
Technical Manager-I  
Environ Tech Laboratories

**Note:**

**BDL:** Denotes Below Detection Limit **DL:** Denotes Detection Limit

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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P

## TEST REPORT

Kuantum Paper Limited

Saila Khurd, Railway Rd, Hoshiarpur, Punjab -146001

Customer Ref. Number	PO No.4300007804, PO Date 06.12.2024	Report No.	ETL/01012025/4225
Sample Code given by Customer	Not Mentioned	Report Date.	01.01.2025
Type of Sample	Ground Water	ULR No.	Not Applicable
Sampling Condition	Satisfactory	Sample Reg No.	ETL/W/26122024/4225
Quantity	2.00 LTR	Date of Sampling	25.12.2024
Sampling Location	Piezometer No 1 , Village Saila Khurd	Date of Sample Receipt	26.12.2024
Sample Collected By	Mr. K.K. Mishra & Team	Date of Test Performance	27.12.2024 - 01.01.2025
Sampling Procedure	As per lab SOP	Packing Mode	Plastic Bottle

Discipline: Chemical

Group: Water

Sample Description: Clear and colourless 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	Carbonate as CaCO <sub>3</sub> (mg/l)	BDL	--	--	IS 3025(P-51) 2023
2	Bicarbonate as HCO <sub>3</sub> (mg/l)	329	--	--	IS 3025(P-51) 2023
3	Residual sodium carbonate (meq/l)	0.40	--	--	IS 11624:2019 (By calculations)
4	Sodium absorbion ratio	1.65	--	--	IS 11624-2019 By Calculation Method
5	Chemical oxygen demand (mg/l)	BDL (DL = 4.00)	--	--	IS 3025(P-58) 2023; APHA 23rd Edition:5220B
6	Bio chemical Oxygen Demand (3 days@27°C) (mg/l)	BDL (DL = 2.00)	--	--	IS 3025 (P-44) 2023; APHA 23rd Edition :5220 B

\*\*END OF REPORT\*\*



  
(Authorized Signatory)  
Technical Manager-I  
Environ Tech Laboratories

Note: BDL: Denotes Below Detection Limit DL: Denotes Detection Limit

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



TC-5879



## TEST REPORT

**Kuantum Paper Limited**

Saila Khurd, Railway Rd, Hoshiarpur, Punjab -146001

Customer Ref. Number	PO No.4300007804, PO Date 06.12.2024	Report No.	ETL/01012025/4226
Sample Code given by Customer	Not Mentioned	Report Date.	01.01.2025
Type of Sample	Ground Water	ULR No.	TC587924000005102F
Sampling Condition	Satisfactory	Sample Reg No.	ETL/W/26122024/4226
Quantity	2.00 LTR	Date of Sampling	25.12.2024
Sampling Location	Piezometer NO 2, Village - Rampur	Date of Sample Receipt	26.12.2024
Sample Collected By	Mr. K.K. Mishra & Team	Date of Test Performance	27.12.2024 - 01.01.2025
Sampling Procedure	As per lab SOP	Packing Mode	Plastic Bottle

**Discipline: Chemical**

**Group: Water**

**Sample Description: Clear and Colourless 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	pH @ 25°C	7.2	6.5 – 8.5	No relaxation	IS 3025(P-11) 2022; APHA 23rd Edition:4500
2	Total Dissolved Solids (mg/l)	470	Max 500	Max 2000	IS 3025 (P-16) 2023; APHA 23rd Edition:2540 C
3	Calcium (as Ca) (mg/l)	80	Max 75	Max 200	IS 3025(P-40) 1991; APHA 23rd Edition 3500Ca B
4	Chloride as Cl (mg/l)	9.71	Max 250	Max 1000	IS 3025(P-32) 1988; APHA 23rd Edition:4500 Cl B
5	Fluoride as F (mg/l)	0.32	Max 1.0	Max 1.5	APHA 23rd Edition:4500 F-D
6	Magnesium (as Mg) (mg/l)	36.5	Max 30	Max 100	IS 3025 (Part-46) 2023; APHA23rd Edition :3500Mg B
7	Nitrate (as NO3) (mg/l)	28.5	Max 45	No relaxation	IS 3025 (P-34) 1988; APHA23rd Edition:4500 NO3 B
8	Sulphate (as SO4) (mg/l)	14.1	Max 200	Max 400	IS 3025 (P-24) Sec 1:2022; APHA 23rd Edition :4500 SO42 E
9	Total Alkalinity (as CaCO3) (mg/l)	320	Max 200	Max 600	IS 3025(P-23) 2023; APHA 23rd Edition:2320 B
10	Total Hardness(as CaCO3) (mg/l)	350	Max 200	Max 600	IS 3025 (P-21) 2009; APHA 23rd Edition :2340 C
11	Sodium (as Na) (mg/l)	14	--	--	IS 3025 (P-45) 1993; APHA 23rd Edition :3500 Na B
12	Potassium (as K) (mg/l)	1.2	--	--	IS 3025 (P-45) 1993; APHA 23rd Edition :3500 K B
13	Specific conductivity (micromho/cm)	738	--	--	IS 3025(P-14) 2013; APHA 23rd Edition:4500 S F
14	Boron as B (mg/l)	BDL (DL = 0.10)	Max 0.5	Max 2.4	APHA 23rd Edition 4500B

**\*\*\*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



## TEST REPORT

**Kuantum Paper Limited**

Saila Khurd, Railway Rd, Hoshiarpur, Punjab -146001

Customer Ref. Number	PO No.4300007804, PO Date 06.12.2024	Report No.	ETL/01012025/4226
Sample Code given by Customer	Not Mentioned	Report Date.	01.01.2025
Type of Sample	Ground Water	ULR No.	Not Applicable
Sampling Condition	Satisfactory	Sample Reg No.	ETL/W/26122024/4226
Quantity	2.00 LTR	Date of Sampling	25.12.2024
Sampling Location	Piezometer NO 2, Village - Rampur	Date of Sample Receipt	26.12.2024
Sample Collected By	Mr. K.K. Mishra & Team	Date of Test Performance	27.12.2024 - 01.01.2025
Sampling Procedure	As per lab SOP	Packing Mode	Plastic Bottle

**Discipline: Chemical**

**Group: Water**

**Sample Description: Clear and Colourless 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	Carbonate as CaCO <sub>3</sub> (mg/l)	BDL	--	--	IS 3025(P-51) 2023
2	Bicarbonate as HCO <sub>3</sub> (mg/l)	390	--	--	IS 3025(P-51) 2023
3	Residual sodium carbonate (meq/l)	-0.60	--	--	IS 11624:2019 (By calculations)
4	Sodium absorbtion ratio	0.33	--	--	IS 11624-2019 By Calculation Method
5	Chemical oxygen demand (mg/l)	BDL (DL = 4.00)	--	--	IS 3025(P-58) 2023; APHA 23rd Edition:5220B
6	Bio chemical Oxygen Demand (3 days@27°C) (mg/l)	BDL (DL = 2.00)	--	--	IS 3025 (P-44) 2023; APHA 23rd Edition :5220 B

**\*\*END OF REPORT\*\***



  
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Environ Tech Laboratories

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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TC-5879



## TEST REPORT

**Kvantum Paper Limited**  
Saila Khurd, Railway Rd, Hoshiarpur, Punjab -146001

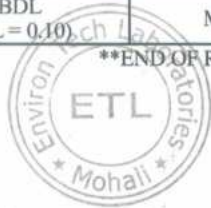
Customer Ref. Number	PO No.4300007804, PO Date 06.12.2024	Report No.	ETL/01012025/4227
Sample Code given by Customer	Not Mentioned	Report Date.	01.01.2025
Type of Sample	Ground Water	ULR No.	TC587924000005103F
Sampling Condition	Satisfactory	Sample Reg No.	ETL/W/26122024/4227
Quantity	2.00 LTR	Date of Sampling	25.12.2024
Sampling Location	Piezometer No.3, Village Bhajjal	Date of Sample Receipt	26.12.2024
Sample Collected By	Mr. K.K. Mishra & Team	Date of Test Performance	27.12.2024 - 01.01.2025
Sampling Procedure	As per lab SOP	Packing Mode	Plastic Bottle

**Discipline: Chemical** **Group: Water**  
**Sample Description: Clear and Colourless 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	pH @ 25°C	7.47	6.5 – 8.5	No relaxation	IS 3025(P-11) 2022; APHA 23rd Edition:4500
2	Total Dissolved Solids (mg/l)	468	Max 500	Max 2000	IS 3025 (P-16) 2023; APHA 23rd Edition:2540 C
3	Calcium (as Ca) (mg/l)	57.6	Max 75	Max 200	IS 3025(P-40) 1991; APHA 23rd Edition 3500Ca B
4	Chloride as Cl (mg/l)	53.4	Max 250	Max 1000	IS 3025(P-32) 1988; APHA 23rd Edition:4500 Cl B
5	Fluoride as F (mg/l)	0.56	Max 1.0	Max 1.5	APHA 23rd Edition:4500 F-D
6	Magnesium (as Mg) (mg/l)	8.8	Max 30	Max 100	IS 3025 (Part-46) 2023; APHA23rd Edition :3500Mg B
7	Nitrate (as NO3) (mg/l)	5.2	Max 45	No relaxation	IS 3025 (P-34) 1988; APHA23rd Edition:4500 NO3 B
8	Sulphate (as SO4) (mg/l)	23.0	Max 200	Max 400	IS 3025 (P-24) Sec 1:2022; APHA 23rd Edition :4500 SO42 E
9	Total Alkalinity (as CaCO3) (mg/l)	320	Max 200	Max 600	IS 3025(P-23) 2023; APHA 23rd Edition:2320 B
10	Total Hardness(as CaCO3) (mg/l)	180	Max 200	Max 600	IS 3025 (P-21) 2009; APHA 23rd Edition :2340 C
11	Sodium (as Na) (mg/l)	105	--	--	IS 3025 (P-45) 1993; APHA 23rd Edition :3500 Na B
12	Potassium (as K) (mg/l)	6.5	--	--	IS 3025 (P-45) 1993; APHA 23rd Edition :3500 K B
13	Specific conductivity (micromho/cm)	780	--	--	IS 3025(P-14) 2013; APHA 23rd Edition:4500 S F
14	Boron as B (mg/l)	BDL (DL = 0.10)	Max 0.5	Max 2.4	APHA 23rd Edition 4500B

**\*\*END OF REPORT\*\***



*(Signature)*  
(Authorized Signatory)  
Technical Manager-I  
Environ Tech Laboratories

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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P

## TEST REPORT

**Kuantum Paper Limited**

Saila Khurd, Railway Rd, Hoshiarpur, Punjab -146001

Customer Ref. Number	PO No.4300007804, PO Date 06.12.2024	Report No.	ETL/01012025/4227
Sample Code given by Customer	Not Mentioned	Report Date.	01.01.2025
Type of Sample	Ground Water	ULR No.	Not Applicable
Sampling Condition	Satisfactory	Sample Reg No.	ETL/W/26122024/4227
Quantity	2.00 LTR	Date of Sampling	25.12.2024
Sampling Location	Piezometer No.3, Village Bhajjal	Date of Sample Receipt	26.12.2024
Sample Collected By	Mr. K.K. Mishra & Team	Date of Test Performance	27.12.2024 - 01.01.2025
Sampling Procedure	As per lab SOP	Packing Mode	Plastic Bottle

**Discipline: Chemical** **Group: Water**

**Sample Description: Clear and Colourless 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	Carbonate as CaCO <sub>3</sub> (mg/l)	BDL	--	--	IS 3025(P-51) 2023
2	Bicarbonate as HCO <sub>3</sub> (mg/l)	390	--	--	IS 3025(P-51) 2023
3	Residual sodium carbonate (meq/l)	2.80	--	--	IS 11624:2019 (By calculations)
4	Sodium absorbion ratio	3.41	--	--	IS 11624-2019 By Calculation Method
5	Chemical oxygen demand (mg/l)	10	--	--	IS 3025(P-58) 2023; APHA 23rd Edition:5220B
6	Bio chemical Oxygen Demand (3 days@27°C) (mg/l)	BDL (DL = 2.00)	--	--	IS 3025 (P-44) 2023; APHA 23rd Edition :5220 B

**\*\*END OF REPORT\*\***



  
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Environ Tech Laboratories

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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TC-5879



## TEST REPORT

**Kuantum Paper Limited**

Saila Khurd, Railway Rd, Hoshiarpur, Punjab - 146001

Customer Ref. Number	PO No.4300007804, PO Date 06.12.2024	Report No.	ETL/01012025/4228
Sample Code given by Customer	Not Mentioned	Report Date.	01.01.2025
Type of Sample	Ground Water	ULR No.	TC587924000005104F
Sampling Condition	Satisfactory	Sample Reg No.	ETL/W/26122024/4228
Quantity	2.00 LTR	Date of Sampling	25.12.2024
Sampling Location	Piezometer No.4, Village - Pathlawa	Date of Sample Receipt	26.12.2024
Sample Collected By	Mr. K.K. Mishra & Team	Date of Test Performance	27.12.2024 - 01.01.2025
Sampling Procedure	As per lab SOP	Packing Mode	Plastic Bottle

**Discipline: Chemical**

**Group: Water**

**Sample Description: Clear and Colourless 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	pH @ 25°C	7.41	6.5 – 8.5	No relaxation	IS 3025(P-11) 2022; APHA 23rd Edition:4500
2	Total Dissolved Solids (mg/l)	468	Max 500	Max 2000	IS 3025 (P-16) 2023; APHA 23rd Edition:2540 C
3	Calcium (as Ca) (mg/l)	70.4	Max 75	Max 200	IS 3025(P-40) 1991; APHA 23rd Edition 3500Ca B
4	Chloride as Cl (mg/l)	13.6	Max 250	Max 1000	IS 3025(P-32) 1988; APHA 23rd Edition:4500 Cl B
5	Fluoride as F (mg/l)	0.45	Max 1.0	Max 1.5	APHA 23rd Edition:4500.F-D
6	Magnesium (as Mg) (mg/l)	27.8	Max 30	Max 100	IS 3025 (Part-46) 2023; APHA23rd Edition :3500Mg B
7	Nitrate (as NO3) (mg/l)	4.8	Max 45	No relaxation	IS 3025 (P-34) 1988; APHA23rd Edition:4500 NO3 B
8	Sulphate (as SO4) (mg/l)	14.5	Max 200	Max 400	IS 3025 (P-24) Sec 1:2022; APHA 23rd Edition :4500 SO42 E
9	Total Alkalinity (as CaCO3) (mg/l)	340	Max 200	Max 600	IS 3025(P-23) 2023; APHA 23rd Edition:2320 B
10	Total Hardness(as CaCO3) (mg/l)	290	Max 200	Max 600	IS 3025 (P-21) 2009; APHA 23rd Edition :2340 C
11	Sodium (as Na) (mg/l)	44	--	--	IS 3025 (P-45) 1993; APHA 23rd Edition :3500 Na B
12	Potassium (as K) (mg/l)	2.5	--	--	IS 3025 (P-45) 1993; APHA 23rd Edition :3500 K B
13	Specific conductivity (micromho/cm)	770	--	--	IS 3025(P-14) 2013; APHA 23rd Edition:4500 S F
14	Boron as B (mg/l)	BDL (DL = 0.10)	Max 0.5	Max 2.4	APHA 23rd Edition 4500B

**\*\*END OF REPORT\*\***



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Technical Manager-I  
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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



## TEST REPORT

**Kuantum Paper Limited**

Saila Khurd, Railway Rd, Hoshiarpur, Punjab -146001

Customer Ref. Number	PO No.4300007804, PO Date 06.12.2024	Report No.	ETL/01012025/4228
Sample Code given by Customer	Not Mentioned	Report Date.	01.01.2025
Type of Sample	Ground Water	ULR No.	Not Applicable
Sampling Condition	Satisfactory	Sample Reg No.	ETL/W/26122024/4228
Quantity	2.00 LTR	Date of Sampling	25.12.2024
Sampling Location	Piezometer No.4, Village - Pathlawa	Date of Sample Receipt	26.12.2024
Sample Collected By	Mr. K.K. Mishra & Team	Date of Test Performance	27.12.2024 - 01.01.2025
Sampling Procedure	As per lab SOP	Packing Mode	Plastic Bottle

**Discipline: Chemical**

**Group: Water**

**Sample Description: Clear and Colourless 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	Carbonate as CaCO <sub>3</sub> (mg/l)	BDL	--	--	IS 3025(P-51) 2023
2	Bicarbonate as HCO <sub>3</sub> (mg/l)	415	--	--	IS 3025(P-51) 2023
3	Residual sodium carbonate (meq/l)	1.00	--	--	IS 11624:2019 (By calculations)
4	Sodium absorption ratio	1.12	--	--	IS 11624-2019 By Calculation Method
5	Chemical oxygen demand (mg/l)	10	--	--	IS 3025(P-58) 2023; APHA 23rd Edition:5220B
6	Bio chemical Oxygen Demand (3 days@27°C) (mg/l)	4	--	--	IS 3025 (P-44) 2023; APHA 23rd Edition :5220 B

**\*\*END OF REPORT\*\***



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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TC-5879



## TEST REPORT

**Kuantum Paper Limited**

Saila Khurd, Railway Rd, Hoshiarpur, Punjab -146001

Customer Ref. Number	PO No.4300007804, PO Date 06.12.2024	Report No.	ETL/01012025/4229
Sample Code given by Customer	Not Mentioned	Report Date.	01.01.2025
Type of Sample	Ground Water	ULR No.	TC587924000005105F
Sampling Condition	Satisfactory	Sample Reg No.	ETL/W/26122024/4229
Quantity	2.00 LTR	Date of Sampling	25.12.2024
Sampling Location	Piezometer No.5 , Village - Gujjarpur Khurd	Date of Sample Receipt	26.12.2024
Sample Collected By	Mr. K.K. Mishra & Team	Date of Test Performance	27.12.2024 - 01.01.2025
Sampling Procedure	As per lab SOP	Packing Mode	Plastic Bottle

**Discipline: Chemical**

**Sample Description: Clear and colourless liquid**

**Group: Water**

### PART A

S.No.	Parameters	Results	Limits of IS: 10500 - 2012		Test method
			Requirement (Acceptable limit)	Permissible limit in absence of alternate source	
1	pH @ 25°C	7.32	6.5 - 8.5	No relaxation	IS 3025(P-11) 2022; APHA 23rd Edition:4500
2	Total Dissolved Solids (mg/l)	415	Max 500	Max 2000	IS 3025 (P-16) 2023; APHA 23rd Edition:2540 C
3	Calcium (as Ca) (mg/l)	49.6	Max 75	Max 200	IS 3025(P-40) 1991; APHA 23rd Edition 3500Ca B
4	Chloride as Cl (mg/l)	9.71	Max 250	Max 1000	IS 3025(P-32) 1988; APHA 23rd Edition:4500 Cl B
5	Fluoride as F (mg/l)	0.58	Max 1.0	Max 1.5	APHA 23rd Edition:4500 F-D
6	Magnesium (as Mg) (mg/l)	28.2	Max 30	Max 100	IS 3025 (Part-46) 2023; APHA23rd Edition :3500Mg B
7	Nitrate (as NO3) (mg/l)	15.2	Max 45	No relaxation	IS 3025 (P-34) 1988; APHA23rd Edition:4500 NO3 B
8	Sulphate (as SO4) (mg/l)	10.1	Max 200	Max 400	IS 3025 (P-24) Sec 1:2022; APHA 23rd Edition :4500 SO42 E
9	Total Alkalinity (as CaCO3) (mg/l)	310	Max 200	Max 600	IS 3025(P-23) 2023; APHA 23rd Edition:2320 B
10	Total Hardness(as CaCO3) (mg/l)	240	Max 200	Max 600	IS 3025 (P-21) 2009; APHA 23rd Edition :2340 C
11	Sodium (as Na) (mg/l)	44	--	--	IS 3025 (P-45) 1993; APHA 23rd Edition :3500 Na B
12	Potassium (as K) (mg/l)	2.2	--	--	IS 3025 (P-45) 1993; APHA 23rd Edition :3500 K B
13	Specific conductivity (micromho/cm)	631	--	--	IS 3025(P-14) 2013; APHA 23rd Edition:4500 S F
14	Boron as B (mg/l)	BDL (DL = 0.10)	Max 0.5	Max 2.4	APHA 23rd Edition 4500B



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Technical Manager-I  
Environ Tech Laboratories

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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



## TEST REPORT

**Kuantum Paper Limited**

Saila Khurd, Railway Rd, Hoshiarpur, Punjab -146001

Customer Ref. Number	PO No.4300007804, PO Date 06.12.2024	Report No.	ETL/01012025/4229
Sample Code given by Customer	Not Mentioned	Report Date.	01.01.2025
Type of Sample	Ground Water	ULR No.	Not Applicable
Sampling Condition	Satisfactory	Sample Reg No.	ETL/W/26122024/4229
Quantity	2.00 LTR	Date of Sampling	25.12.2024
Sampling Location	Piezometer No.5 , Village - Gujjarpur Khurd	Date of Sample Receipt	26.12.2024
Sample Collected By	Mr. K.K. Mishra & Team	Date of Test Performance	27.12.2024 - 01.01.2025
Sampling Procedure	As per lab SOP	Packing Mode	Plastic Bottle

**Discipline: Chemical**

**Group: Water**

**Sample Description: Clear and colourless 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	Carbonate as CaCO <sub>3</sub> (mg/l)	BDL	--	--	IS 3025(P-51) 2023
2	Bicarbonate as HCO <sub>3</sub> (mg/l)	378	--	--	IS 3025(P-51) 2023
3	Residual sodium carbonate (meq/l)	1.40	--	--	IS 11624:2019 (By calculations)
4	Sodium absorption ratio	1.24	--	--	IS 11624-2019 By Calculation Method
5	Chemical oxygen demand (mg/l)	BDL (DL = 4.00)	--	--	IS 3025(P-58) 2023; APHA 23rd Edition:5220B
6	Bio chemical Oxygen Demand (3 days@27°C) (mg/l)	BDL (DL = 2.00)	--	--	IS 3025 (P-44) 2023; APHA 23rd Edition :5220 B

**\*\*END OF REPORT\*\***



  
(Authorized Signatory)  
Technical Manager-I  
Environ Tech Laboratories

**Note:**

**BDL:** Denotes Below Detection Limit **DL:** Denotes Detection Limit

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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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# 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

**Kuantum Paper Limited**

Saila Khurd, Railway Rd, Hoshiarpur, Punjab -146001

Customer Ref. Number	PO No.4300007804, PO Date 06.12.2024	Report No.	ETL/01012025/4230
Sample Code given by Customer	Not Mentioned	Report Date.	01.01.2025
Type of Sample	Ground Water	ULR No.	TC587924000005106F
Sampling Condition	Satisfactory	Sample Reg No.	ETL/W/26122024/4230
Quantity	2.00 LTR	Date of Sampling	25.12.2024
Sampling Location	Piezometer No.6, Village - Sunni	Date of Sample Receipt	26.12.2024
Sample Collected By	Mr. K.K. Mishra & Team	Date of Test Performance	27.12.2024 - 01.01.2025
Sampling Procedure	As per lab SOP	Packing Mode	Plastic Bottle

**Discipline: Chemical**

**Group: Water**

**Sample Description: Clear and Colourless 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	pH @ 25°C	7.58	6.5 – 8.5	No relaxation	IS 3025(P-11) 2022; APHA 23rd Edition:4500
2	Total Dissolved Solids (mg/l)	478	Max 500	Max 2000	IS 3025 (P-16) 2023; APHA 23rd Edition:2540 C
3	Calcium (as Ca) (mg/l)	65.6	Max 75	Max 200	IS 3025(P-40) 1991; APHA 23rd Edition 3500Ca B
4	Chloride as Cl (mg/l)	48.6	Max 250	Max 1000	IS 3025(P-32) 1988; APHA 23rd Edition:4500 Cl B
5	Fluoride as F (mg/l)	0.65	Max 1.0	Max 1.5	APHA 23rd Edition:4500 F-D
6	Magnesium (as Mg) (mg/l)	33.1	Max 30	Max 100	IS 3025 (Part-46) 2023; APHA23rd Edition :3500Mg B
7	Nitrate (as NO3) (mg/l)	12.8	Max 45	No relaxation	IS 3025 (P-34) 1988; APHA23rd Edition:4500 NO3 B
8	Sulphate (as SO4) (mg/l)	15.4	Max 200	Max 400	IS 3025 (P-24) Sec 1:2022; APHA 23rd Edition :4500 SO42 E
9	Total Alkalinity (as CaCO3) (mg/l)	290	Max 200	Max 600	IS 3025(P-23) 2023; APHA 23rd Edition:2320 B
10	Total Hardness(as CaCO3) (mg/l)	300	Max 200	Max 600	IS 3025 (P-21) 2009; APHA 23rd Edition :2340 C
11	Sodium (as Na) (mg/l)	40	--	--	IS 3025 (P-45) 1993; APHA 23rd Edition :3500 Na B
12	Potassium (as K) (mg/l)	1.5	--	--	IS 3025 (P-45) 1993; APHA 23rd Edition :3500 K B
13	Specific conductivity (micromho/cm)	728	--	--	IS 3025(P-14) 2013; APHA 23rd Edition:4500 S F
14	Boron as B (mg/l)	BDL (DL = 0.10)	Max 0.5	Max 2.4	APHA 23rd Edition 4500B

**\*\*END OF REPORT\*\***



*(Signature)*  
(Authorized Signatory)  
Technical Manager-I  
Environ Tech Laboratories

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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



## TEST REPORT

**Kuntum Paper Limited**

Saila Khurd, Railway Rd, Hoshiarpur, Punjab -146001

Customer Ref. Number	PO No.4300007804, PO Date 06.12.2024	Report No.	ETL/01012025/4230
Sample Code given by Customer	Not Mentioned	Report Date.	01.01.2025
Type of Sample	Ground Water	ULR No.	Not Applicable
Sampling Condition	Satisfactory	Sample Reg No.	ETL/W/26122024/4230
Quantity	2.00 LTR	Date of Sampling	25.12.2024
Sampling Location	Piezometer No.6, Village - Sunni	Date of Sample Receipt	26.12.2024
Sample Collected By	Mr. K.K. Mishra & Team	Date of Test Performance	27.12.2024 - 01.01.2025
Sampling Procedure	As per lab SOP	Packing Mode	Plastic Bottle

**Discipline: Chemical**

**Sample Description: Clear and Colourless Liquid**

**Group: Water**

### PART B

S.No.	Parameters	Results	Limits of IS: 10500 - 2012		Test method
			Requirement (Acceptable limit)	Permissible limit in absence of alternate source	
1	Carbonate as CaCO <sub>3</sub> (mg/l)	BDL	--	--	IS 3025(P-51) 2023
2	Bicarbonate as HCO <sub>3</sub> (mg/l)	354	--	--	IS 3025(P-51) 2023
3	Residual sodium carbonate (meq/l)	-0.20	--	--	IS 11624:2019 (By calculations)
4	Sodium absorbion ratio	1.00	--	--	IS 11624-2019 By Calculation Method
5	Chemical oxygen demand (mg/l)	BDL (DL = 4.00)	--	--	IS 3025(P-58) 2023; APHA 23rd Edition:5220B
6	Bio chemical Oxygen Demand (3 days@27°C) (mg/l)	BDL (DL = 2.00)	--	--	IS 3025 (P-44) 2023; APHA 23rd Edition :5220 B

**\*\*END OF REPORT\*\***



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Environ Tech Laboratories

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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TC-5879



## TEST REPORT

**Kuantum Paper Limited**

Saila Khurd, Railway Rd, Hoshiarpur, Punjab -146001

Customer Ref. Number	PO No.4300007804, PO Date 06.12.2024	Report No.	ETL/01012025/4231
Sample Code given by Customer	Not Mentioned	Report Date.	01.01.2025
Type of Sample	Ground Water	ULR No.	TC587924000005107F
Sampling Condition	Satisfactory	Sample Reg No.	ETL/W/26122024/4231
Quantity	2.00 LTR	Date of Sampling	25.12.2024
Sampling Location	Piezometer No.7, Village Majara Dhingrian	Date of Sample Receipt	26.12.2024
Sample Collected By	Mr. K.K. Mishra & Team	Date of Test Performance	27.12.2024 - 01.01.2025
Sampling Procedure	As per lab SOP	Packing Mode	Plastic Bottle

**Discipline: Chemical**

**Group: Water**

**Sample Description: Clear and Colourless 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	pH @ 25°C	7.50	6.5 – 8.5	No relaxation	IS 3025(P-11) 2022; APHA 23rd Edition:4500
2	Total Dissolved Solids (mg/l)	474	Max 500	Max 2000	IS 3025 (P-16) 2023; APHA 23rd Edition:2540 C
3	Calcium (as Ca) (mg/l)	67.2	Max 75	Max 200	IS 3025(P-40) 1991; APHA 23rd Edition 3500Ca B
4	Chloride as Cl (mg/l)	48.56	Max 250	Max 1000	IS 3025(P-32) 1988; APHA 23rd Edition:4500 Cl B
5	Fluoride as F (mg/l)	0.12	Max 1.0	Max 1.5	APHA 23rd Edition:4500 F-D
6	Magnesium (as Mg) (mg/l)	24.8	Max 30	Max 100	IS 3025 (Part-46) 2023; APHA23rd Edition :3500Mg B
7	Nitrate (as NO3) (mg/l)	15.5	Max 45	No relaxation	IS 3025 (P-34) 1988; APHA23rd Edition:4500 NO3 B
8	Sulphate (as SO4) (mg/l)	12.8	Max 200	Max 400	IS 3025 (P-24) Sec 1:2022; APHA 23rd Edition :4500 SO42 E
9	Total Alkalinity (as CaCO3) (mg/l)	330	Max 200	Max 600	IS 3025(P-23) 2023; APHA 23rd Edition:2320 B
10	Total Hardness(as CaCO3) (mg/l)	270	Max 200	Max 600	IS 3025 (P-21) 2009; APHA 23rd Edition :2340 C
11	Sodium (as Na) (mg/l)	64	--	--	IS 3025 (P-45) 1993; APHA 23rd Edition :3500 Na B
12	Potassium (as K) (mg/l)	2.8	--	--	IS 3025 (P-45) 1993; APHA 23rd Edition :3500 K B
13	Specific conductivity (micromho/cm)	790	--	--	IS 3025(P-14) 2013; APHA 23rd Edition:4500 S F
14	Boron as B (mg/l)	BDL (DL=0.10)	Max 0.5	Max 2.4	APHA 23rd Edition 4500B



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Technical Manager-I  
Environ Tech Laboratories

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# Environ Tech Laboratories

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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



## TEST REPORT

**Kuantum Paper Limited**

Saila Khurd, Railway Rd, Hoshiarpur, Punjab -146001

Customer Ref. Number	PO No.4300007804, PO Date 06.12.2024	Report No.	ETL/01012025/4231
Sample Code given by Customer	Not Mentioned	Report Date.	01.01.2025
Type of Sample	Ground Water	ULR No.	Not Applicable
Sampling Condition	Satisfactory	Sample Reg No.	ETL/W/26122024/4231
Quantity	2.00 LTR	Date of Sampling	25.12.2024
Sampling Location	Piezometer No.7, Village Majara Dhingrian	Date of Sample Receipt	26.12.2024
Sample Collected By	Mr. K.K. Mishra & Team	Date of Test Performance	27.12.2024 - 01.01.2025
Sampling Procedure	As per lab SOP	Packing Mode	Plastic Bottle

**Discipline: Chemical**

**Sample Description: Clear and Colourless Liquid**

**Group: Water**

### PART B

S.No.	Parameters	Results	Limits of IS: 10500 - 2012		Test method
			Requirement (Acceptable limit)	Permissible limit in absence of alternate source	
1	Carbonate as CaCO <sub>3</sub> (mg/l)	BDL	--	--	IS 3025(P-51) 2023
2	Bicarbonate as HCO <sub>3</sub> (mg/l)	402	--	--	IS 3025(P-51) 2023
3	Residual sodium carbonate (meq/l)	1.20	--	--	IS 11624:2019 (By calculations)
4	Sodium absorption ratio	1.69	--	--	IS 11624-2019 By Calculation Method
5	Chemical oxygen demand (mg/l)	BDL (DL = 4.00)	--	--	IS 3025(P-58) 2023; APHA 23rd Edition:5220B
6	Bio chemical Oxygen Demand (3 days@27°C) (mg/l)	BDL (DL = 2.00)	--	--	IS 3025 (P-44) 2023; APHA 23rd Edition :5220 B

**\*\*END OF REPORT\*\***



*(Signature)*  
(Authorized Signatory)  
Technical Manager-I  
Environ Tech Laboratories

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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TC-5879



## TEST REPORT

**Kuantum Paper Limited**

Saila Khurd, Railway Rd, Hoshiarpur, Punjab -146001

Customer Ref. Number	PO No.4300007804, PO Date 06.12.2024	Report No.	ETL/01012025/4232
Sample Code given by Customer	Not Mentioned	Report Date.	01.01.2025
Type of Sample	Ground Water	ULR No.	TC587924000005108F
Sampling Condition	Satisfactory	Sample Reg No.	ETL/W/26122024/4232
Quantity	2.00 LTR	Date of Sampling	25.12.2024
Sampling Location	Piezometer No.8, Village Pensera	Date of Sample Receipt	26.12.2024
Sample Collected By	Mr. K.K. Mishra & Team	Date of Test Performance	27.12.2024 - 01.01.2025
Sampling Procedure	As per lab SOP	Packing Mode	Plastic Bottle

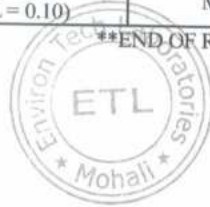
**Discipline: Chemical**

**Group: Water**

**Sample Description: Clear and Colourless Liquid**

S.No.	Parameters	Results	PART A		Test method
			Requirement (Acceptable limit)	Permissible limit in absence of alternate source	
			Limits of IS: 10500 - 2012		
1	pH @ 25°C	7.73	6.5 – 8.5	No relaxation	IS 3025(P-11) 2022; APHA 23rd Edition:4500
2	Total Dissolved Solids (mg/l)	418	Max 500	Max 2000	IS 3025 (P-16) 2023; APHA 23rd Edition:2540 C
3	Calcium (as Ca) (mg/l)	67.2	Max 75	Max 200	IS 3025(P-40) 1991; APHA 23rd Edition 3500Ca B
4	Chloride as Cl (mg/l)	15.5	Max 250	Max 1000	IS 3025(P-32) 1988; APHA 23rd Edition:4500 Cl B
5	Fluoride as F (mg/l)	0.48	Max 1.0	Max 1.5	APHA 23rd Edition:4500 F-D
6	Magnesium (as Mg) (mg/l)	27.3	Max 30	Max 100	IS 3025 (Part-46) 2023; APHA23rd Edition :3500Mg B
7	Nitrate (as NO3) (mg/l)	3.5	Max 45	No relaxation	IS 3025 (P-34) 1988; APHA23rd Edition:4500 NO3 B
8	Sulphate (as SO4) (mg/l)	2.1	Max 200	Max 400	IS 3025 (P-24) Sec 1:2022; APHA 23rd Edition :4500 SO42 E
9	Total Alkalinity (as CaCO3) (mg/l)	340	Max 200	Max 600	IS 3025(P-23) 2023; APHA 23rd Edition:2320 B
10	Total Hardness(as CaCO3) (mg/l)	280	Max 200	Max 600	IS 3025 (P-21) 2009; APHA 23rd Edition :2340 C
11	Sodium (as Na) (mg/l)	42	--	--	IS 3025 (P-45) 1993; APHA 23rd Edition :3500 Na B
12	Potassium (as K) (mg/l)	2.8	--	--	IS 3025 (P-45) 1993; APHA 23rd Edition :3500 K B
13	Specific conductivity (micromho/cm)	697	--	--	IS 3025(P-14) 2013; APHA 23rd Edition:4500 S F
14	Boron as B (mg/l)	BDL (DL = 0.10)	Max 0.5	Max 2.4	APHA 23rd Edition 4500B

**\*\*END OF REPORT\*\***



*(Signature)*  
(Authorized Signatory)  
Technical Manager-I  
Environ Tech Laboratories

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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



## TEST REPORT

**Kwantum Paper Limited**

Saila Khurd, Railway Rd, Hoshiarpur, Punjab - 146001

Customer Ref. Number	PO No.4300007804, PO Date 06.12.2024	Report No.	ETL/01012025/4232
Sample Code given by Customer	Not Mentioned	Report Date.	01.01.2025
Type of Sample	Ground Water	ULR No.	Not Applicable
Sampling Condition	Satisfactory	Sample Reg No.	ETL/W/26122024/4232
Quantity	2.00 LTR	Date of Sampling	25.12.2024
Sampling Location	Piezometer No.8, Village Pensera	Date of Sample Receipt	26.12.2024
Sample Collected By	Mr. K.K. Mishra & Team	Date of Test Performance	27.12.2024 - 01.01.2025
Sampling Procedure	As per lab SOP	Packing Mode	Plastic Bottle

**Discipline: Chemical**

**Sample Description: Clear and Colourless Liquid**

**Group: Water**

### PART B

S.No.	Parameters	Results	Limits of IS: 10500 - 2012		Test method
			Requirement (Acceptable limit)	Permissible limit in absence of alternate source	
1	Carbonate as CaCO <sub>3</sub> (mg/l)	BDL	--	--	IS 3025(P-51) 2023
2	Bicarbonate as HCO <sub>3</sub> (mg/l)	415	--	--	IS 3025(P-51) 2023
3	Residual sodium carbonate (meq/l)	1.20	--	--	IS 11624:2019 (By calculations)
4	Sodium absorption ratio	1.09	--	--	IS 11624-2019 By Calculation Method
5	Chemical oxygen demand (mg/l)	04	--	--	IS 3025(P-58) 2023; APHA 23rd Edition:5220B
6	Bio chemical Oxygen Demand (3 days@27°C) (mg/l)	BDL (DL = 2.00)	--	--	IS 3025 (P-44) 2023; APHA 23rd Edition :5220 B

**\*\*END OF REPORT\*\***



*(Signature)*  
(Authorized Signatory)  
Technical Manager-I  
Environ Tech Laboratories

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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



## TEST REPORT

**Kuantum Paper Limited**

Saila Khurd, Railway Rd, Hoshiarpur, Punjab -146001

Customer Ref. Number	PO No.4300007804, PO Date 06.12.2024	Report No.	ETL/01012025/4233
Sample Code given by Customer	Not Mentioned	Report Date.	01.01.2025
Type of Sample	Ground Water	ULR No.	TC587924000005109F
Sampling Condition	Satisfactory	Sample Reg No.	ETL/W/26122024/4233
Quantity	2.00 LTR	Date of Sampling	25.12.2024
Sampling Location	Piezometer No.9, Village Saila Kalan	Date of Sample Receipt	26.12.2024
Sample Collected By	Mr. K.K. Mishra & Team	Date of Test Performance	27.12.2024 - 01.01.2025
Sampling Procedure	As per lab SOP	Packing Mode	Plastic Bottle

**Discipline: Chemical**

**Sample Description: Clear and Colourless liquid**

**Group: Water**

### PART A

S.No.	Parameters	Results	Limits of IS: 10500 - 2012		Test method
			Requirement (Acceptable limit)	Permissible limit in absence of alternate source	
1	pH @ 25°C	7.53	6.5 – 8.5	No relaxation	IS 3025(P-11) 2022; APHA 23rd Edition:4500
2	Total Dissolved Solids (mg/l)	427	Max 500	Max 2000	IS 3025 (P-16) 2023; APHA 23rd Edition:2540 C
3	Calcium (as Ca) (mg/l)	65.6	Max 75	Max 200	IS 3025(P-40) 1991; APHA 23rd Edition 3500Ca B
4	Chloride as Cl (mg/l)	29.1	Max 250	Max 1000	IS 3025(P-32) 1988; APHA 23rd Edition:4500 Cl B
5	Fluoride as F (mg/l)	0.48	Max 1.0	Max 1.5	APHA 23rd Edition:4500 F-D
6	Magnesium (as Mg) (mg/l)	30.7	Max 30	Max 100	IS 3025 (Part-46) 2023; APHA23rd Edition :3500Mg B
7	Nitrate (as NO3) (mg/l)	5.5	Max 45	No relaxation	IS 3025 (P-34) 1988; APHA23rd Edition:4500 NO3 B
8	Sulphate (as SO4) (mg/l)	10.1	Max 200	Max 400	IS 3025 (P-24) Sec 1:2022; APHA 23rd Edition :4500 SO42 E
9	Total Alkalinity (as CaCO3) (mg/l)	280	Max 200	Max 600	IS 3025(P-23) 2023; APHA 23rd Edition:2320 B
10	Total Hardness(as CaCO3) (mg/l)	290	Max 200	Max 600	IS 3025 (P-21) 2009; APHA 23rd Edition :2340 C
11	Sodium (as Na) (mg/l)	18	--	--	IS 3025 (P-45) 1993; APHA 23rd Edition :3500 Na B
12	Potassium (as K) (mg/l)	0.9	--	--	IS 3025 (P-45) 1993; APHA 23rd Edition :3500 K B
13	Specific conductivity (micromho/cm)	684	--	--	IS 3025(P-14) 2013; APHA 23rd Edition:4500 S F
14	Boron as B (mg/l)	BDL (DL = 0.10)	Max 0.5	Max 2.4	APHA 23rd Edition 4500B

**\*\*END OF REPORT\*\***



*(Authorized Signatory)*  
Technical Manager-I  
Environ Tech Laboratories

Note:

BDL: Denotes Below Detection Limit DL: Denotes Detection Limit

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ETL

# Environ Tech Laboratories

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



## TEST REPORT

**Kuantum Paper Limited**

Saila Khurd, Railway Rd, Hoshiarpur, Punjab -146001

Customer Ref. Number	PO No.4300007804, PO Date 06.12.2024	Report No.	ETL/01012025/4233
Sample Code given by Customer	Not Mentioned	Report Date.	01.01.2025
Type of Sample	Ground Water	ULR No.	Not Applicable
Sampling Condition	Satisfactory	Sample Reg No.	ETL/W/26122024/4233
Quantity	2.00 LTR	Date of Sampling	25.12.2024
Sampling Location	Piezometer No.9, Village Saila Kalan	Date of Sample Receipt	26.12.2024
Sample Collected By	Mr. K.K. Mishra & Team	Date of Test Performance	27.12.2024 - 01.01.2025
Sampling Procedure	As per lab SOP	Packing Mode	Plastic Bottle

**Discipline: Chemical**

**Sample Description: Clear and Colourless liquid**

**Group: Water**

### PART B

S.No.	Parameters	Results	Limits of IS: 10500 - 2012		Test method
			Requirement (Acceptable limit)	Permissible limit in absence of alternate source	
1	Carbonate as CaCO <sub>3</sub> (mg/l)	BDL	--	--	IS 3025(P-51) 2023
2	Bicarbonate as HCO <sub>3</sub> (mg/l)	341	--	--	IS 3025(P-51) 2023
3	Residual sodium carbonate (meq/l)	-0.20	--	--	IS 11624:2019 (By calculations)
4	Sodium absorbion ratio	0.46	--	--	IS 11624-2019 By Calculation Method
5	Chemical oxygen demand (mg/l)	04	--	--	IS 3025(P-58) 2023; APHA 23rd Edition:5220B
6	Bio chemical Oxygen Demand (3 days@27°C) (mg/l)	BDL (DL = 2.00)	--	--	IS 3025 (P-44) 2023; APHA 23rd Edition :5220 B

**\*\*END OF REPORT\*\***



*[Signature]*  
(Authorized Signatory)  
Technical Manager-I  
Environ Tech Laboratories

**Note:**

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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TC-5879



## TEST REPORT

**Kwantum Paper Limited**

Saila Khurd, Railway Rd, Hoshiarpur, Punjab -146001

Customer Ref. Number	PO No.4300007804, PO Date 06.12.2024	Report No.	ETL/01012025/4234
Sample Code given by Customer	Not Mentioned	Report Date.	01.01.2025
Type of Sample	Ground Water	ULR No.	TC587924000005110F
Sampling Condition	Satisfactory	Sample Reg No.	ETL/W/26122024/4234
Quantity	2.00 LTR	Date of Sampling	25.12.2024
Sampling Location	Piezometer No. 10, Village - Tutto Majara	Date of Sample Receipt	26.12.2024
Sample Collected By	Mr. K.K. Mishra & Team	Date of Test Performance	27.12.2024 - 01.01.2025
Sampling Procedure	As per lab SOP	Packing Mode	Plastic Bottle

**Discipline: Chemical**

**Sample Description: Clear and Colourless Liquid**

**Group: Water**

### PART A

S.No.	Parameters	Results	Limits of IS: 10500 - 2012		Test method
			Requirement (Acceptable limit)	Permissible limit in absence of alternate source	
1	pH @ 25°C	7.55	6.5 – 8.5	No relaxation	IS 3025(P-11) 2022; APHA 23rd Edition:4500
2	Total Dissolved Solids (mg/l)	486	Max 500	Max 2000	IS 3025 (P-16) 2023; APHA 23rd Edition:2540 C
3	Calcium (as Ca) (mg/l)	67.2	Max 75	Max 200	IS 3025(P-40) 1991; APHA 23rd Edition 3500Ca B
4	Chloride as Cl (mg/l)	19.42	Max 250	Max 1000	IS 3025(P-32) 1988; APHA 23rd Edition:4500.Cl B
5	Fluoride as F (mg/l)	0.98	Max 1.0	Max 1.5	APHA 23rd Edition:4500 F-D
6	Magnesium (as Mg) (mg/l)	39.0	Max 30	Max 100	IS 3025 (Part-46) 2023; APHA23rd Edition :3500Mg B
7	Nitrate (as NO3) (mg/l)	22.6	Max 45	No relaxation	IS 3025 (P-34) 1988; APHA23rd Edition:4500 NO3 B
8	Sulphate (as SO4) (mg/l)	26.7	Max 200	Max 400	IS 3025 (P-24) Sec 1:2022; APHA 23rd Edition :4500 SO42 E
9	Total Alkalinity (as CaCO3) (mg/l)	360	Max 200	Max 600	IS 3025(P-23) 2023; APHA 23rd Edition:2320 B
10	Total Hardness(as CaCO3) (mg/l)	320	Max 200	Max 600	IS 3025 (P-21) 2009; APHA 23rd Edition :2340 C
11	Sodium (as Na) (mg/l)	48	--	--	IS 3025 (P-45) 1993; APHA 23rd Edition :3500 Na B
12	Potassium (as K) (mg/l)	4.8	--	--	IS 3025 (P-45) 1993; APHA 23rd Edition :3500 K B
13	Specific conductivity (micromho/cm)	798	--	--	IS 3025(P-14) 2013; APHA 23rd Edition:4500 S F
14	Boron as B (mg/l)	BDL (DL = 0.10)	Max 0.5	Max 2.4	APHA 23rd Edition 4500B



*(Authorized Signatory)*  
Technical Manager-1  
Environ Tech Laboratories

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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



## TEST REPORT

Kvantum Paper Limited

Saila Khurd, Railway Rd, Hoshiarpur, Punjab -146001

Customer Ref. Number	PO No.4300007804, PO Date 06.12.2024	Report No.	ETL/01012025/4234
Sample Code given by Customer	Not Mentioned	Report Date.	01.01.2025
Type of Sample	Ground Water	ULR No.	Not Applicable
Sampling Condition	Satisfactory	Sample Reg No.	ETL/W/26122024/4234
Quantity	2.00 LTR	Date of Sampling	25.12.2024
Sampling Location	Piezometer No. 10, Village - Tutto Majara	Date of Sample Receipt	26.12.2024
Sample Collected By	Mr. K.K. Mishra & Team	Date of Test Performance	27.12.2024 - 01.01.2025
Sampling Procedure	As per lab SOP	Packing Mode	Plastic Bottle

Discipline: Chemical

Sample Description: Clear and Colourless Liquid

Group: Water

### PART B

S.No.	Parameters	Results	Limits of IS: 10500 - 2012		Test method
			Requirement (Acceptable limit)	Permissible limit in absence of alternate source	
1	Carbonate as CaCO <sub>3</sub> (mg/l)	BDL	--	--	IS 3025(P-51) 2023
2	Bicarbonate as HCO <sub>3</sub> (mg/l)	439	--	--	IS 3025(P-51) 2023
3	Residual sodium carbonate (meq/l)	0.80	--	--	IS 11624:2019 (By calculations)
4	Sodium absorption ratio	1.17	--	--	IS 11624-2019 By Calculation Method
5	Chemical oxygen demand (mg/l)	08	--	--	IS 3025(P-58) 2023; APHA 23rd Edition:5220B
6	Bio chemical Oxygen Demand (3 days@27°C) (mg/l)	BDL (DL = 2.00)	--	--	IS 3025 (P-44) 2023; APHA 23rd Edition :5220 B

\*\*END OF REPORT\*\*



(Authorized Signatory)  
Technical Manager-I  
Environ Tech Laboratories

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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TC-5879



## TEST REPORT

**Kuantum Paper Limited**

Saila Khurd, Railway Rd, Hoshiarpur, Punjab -146001

Customer Ref. Number	PO No.4300007804, PO Date 06.12.2024	Report No.	ETL/01012025/4235
Sample Code given by Customer	Not Mentioned	Report Date.	01.01.2025
Type of Sample	Ground Water	ULR No.	TC587924000005111F
Sampling Condition	Satisfactory	Sample Reg No.	ETL/W/26122024/4235
Quantity	2.00 LTR	Date of Sampling	25.12.2024
Sampling Location	Piezometer No.11, Village - Gandhowal	Date of Sample Receipt	26.12.2024
Sample Collected By	Mr. K.K. Mishra & Team	Date of Test Performance	27.12.2024 - 01.01.2025
Sampling Procedure	As per lab SOP	Packing Mode	Plastic Bottle

**Discipline: Chemical**

**Group: Water**

**Sample Description: Clear and Colourless 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	pH @ 25°C	7.07	6.5 – 8.5	No relaxation	IS 3025(P-11) 2022; APHA 23rd Edition:4500
2	Total Dissolved Solids (mg/l)	425	Max 500	Max 2000	IS 3025 (P-16) 2023; APHA 23rd Edition:2540 C
3	Calcium (as Ca) (mg/l)	64	Max 75	Max 200	IS 3025(P-40) 1991; APHA 23rd Edition 3500Ca B
4	Chloride as Cl (mg/l)	36.9	Max 250	Max 1000	IS 3025(P-32) 1988; APHA 23rd Edition:4500 Cl B
5	Fluoride as F (mg/l)	0.50	Max 1.0	Max 1.5	APHA 23rd Edition:4500 F-D
6	Magnesium (as Mg) (mg/l)	34.1	Max 30	Max 100	IS 3025 (Part-46) 2023; APHA23rd Edition :3500Mg B
7	Nitrate (as NO3) (mg/l)	2.8	Max 45	No relaxation	IS 3025 (P-34) 1988; APHA23rd Edition:4500 NO3 B
8	Sulphate (as SO4) (mg/l)	10.4	Max 200	Max 400	IS 3025 (P-24) Sec 1:2022; APHA 23rd Edition :4500 SO42 E
9	Total Alkalinity (as CaCO3) (mg/l)	310	Max 200	Max 600	IS 3025(P-23) 2023; APHA 23rd Edition:2320 B
10	Total Hardness(as CaCO3) (mg/l)	300	Max 200	Max 600	IS 3025 (P-21) 2009; APHA 23rd Edition :2340 C
11	Sodium (as Na) (mg/l)	32	--	--	IS 3025 (P-45) 1993; APHA 23rd Edition :3500 Na B
12	Potassium (as K) (mg/l)	1.2	--	--	IS 3025 (P-45) 1993; APHA 23rd Edition :3500 K B
13	Specific conductivity (micromho/cm)	670	--	--	IS 3025(P-14) 2013; APHA 23rd Edition:4500 S F
14	Boron as B (mg/l)	BDL (DL = 0.10)	Max 0.5	Max 2.4	APHA 23rd Edition 4500B

**\*\*END OF REPORT\*\***



*(Signature)*  
(Authorized Signatory)  
Technical Manager-I  
Environ Tech Laboratories

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# ETL

# Environ Tech Laboratories

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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



## TEST REPORT

**Kuantum Paper Limited**

Saila Khurd, Railway Rd, Hoshiarpur, Punjab -146001

Customer Ref. Number	PO No.4300007804, PO Date 06.12.2024	Report No.	ETL/01012025/4235
Sample Code given by Customer	Not Mentioned	Report Date.	01.01.2025
Type of Sample	Ground Water	ULR No.	Not Applicable
Sampling Condition	Satisfactory	Sample Reg No.	ETL/W/26122024/4235
Quantity	2.00 LTR	Date of Sampling	25.12.2024
Sampling Location	Piezometer No.11, Village - Gandhowal	Date of Sample Receipt	26.12.2024
Sample Collected By	Mr. K.K. Mishra & Team	Date of Test Performance	27.12.2024 - 01.01.2025
Sampling Procedure	As per lab SOP	Packing Mode	Plastic Bottle

**Discipline: Chemical**

**Sample Description: Clear and Colourless Liquid**

**Group: Water**

### PART B

S.No.	Parameters	Results	Limits of IS: 10500 - 2012		Test method
			Requirement (Acceptable limit)	Permissible limit in absence of alternate source	
1	Carbonate as CaCO <sub>3</sub> (mg/l)	BDL	--	--	IS 3025(P-51) 2023
2	Bicarbonate as HCO <sub>3</sub> (mg/l)	378	--	--	IS 3025(P-51) 2023
3	Residual sodium carbonate (meq/l)	0.20	--	--	IS 11624:2019 (By calculations)*
4	Sodium absorbion ratio	0.80	--	--	IS 11624-2019 By Calculation Method
5	Chemical oxygen demand (mg/l)	BDL (DL = 4.00)	--	--	IS 3025(P-58) 2023; APHA 23rd Edition:5220B
6	Bio chemical Oxygen Demand (3 days@27°C) (mg/l)	BDL (DL = 2.00)	--	--	IS 3025 (P-44) 2023; APHA 23rd Edition :5220 B

**\*\*END OF REPORT\*\***



*(Signature)*  
(Authorized Signatory)  
Technical Manager-I  
Environ Tech Laboratories

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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



## TEST REPORT

**Kwantum Paper Limited**  
Saila Khurd, Railway Rd, Hoshiarpur, Punjab -146001

Customer Ref. Number	PO No.4300007804, PO Date 06.12.2024	Report No.	ETL/01012025/4236
Sample Code given by Customer	Not Mentioned	Report Date.	01.01.2025
Type of Sample	Ground Water	ULR No.	TC587924000005112F
Sampling Condition	Satisfactory	Sample Reg No.	ETL/W/26122024/4236
Quantity	2.00 LTR	Date of Sampling	25.12.2024
Sampling Location	Piezometer No.12, Village - Nariala	Date of Sample Receipt	26.12.2024
Sample Collected By	Mr. K.K. Mishra & Team	Date of Test Performance	27.12.2024 - 01.01.2025
Sampling Procedure	As per lab SOP	Packing Mode	Plastic Bottle

**Discipline: Chemical** **Group: Water**  
**Sample Description: Clear and Colourless 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	pH @ 25°C	7.35	6.5 – 8.5	No relaxation	IS 3025(P-11) 2022; APHA 23rd Edition:4500
2	Total Dissolved Solids (mg/l)	436	Max 500	Max 2000	IS 3025 (P-16) 2023; APHA 23rd Edition:2540 C
3	Calcium (as Ca) (mg/l)	64	Max 75	Max 200	IS 3025(P-40) 1991; APHA 23rd Edition 3500Ca B
4	Chloride as Cl (mg/l)	15.54	Max 250	Max 1000	IS 3025(P-32) 1988; APHA 23rd Edition:4500 Cl B
5	Fluoride as F (mg/l)	0.5	Max 1.0	Max 1.5	APHA 23rd Edition:4500 F-D
6	Magnesium (as Mg) (mg/l)	26.8	Max 30	Max 100	IS 3025 (Part-46) 2023; APHA23rd Edition :3500Mg B
7	Nitrate (as NO3) (mg/l)	4.2	Max 45	No relaxation	IS 3025 (P-34) 1988; APHA23rd Edition:4500 NO3 B
8	Sulphate (as SO4) (mg/l)	16.6	Max 200	Max 400	IS 3025 (P-24) Sec 1:2022; APHA 23rd Edition :4500 SO42 E
9	Total Alkalinity (as CaCO3) (mg/l)	320	Max 200	Max 600	IS 3025(P-23) 2023; APHA 23rd Edition:2320 B
10	Total Hardness(as CaCO3) (mg/l)	270	Max 200	Max 600	IS 3025 (P-21) 2009; APHA 23rd Edition :2340 C
11	Sodium (as Na) (mg/l)	36	--	--	IS 3025 (P-45) 1993; APHA 23rd Edition :3500 Na B
12	Potassium (as K) (mg/l)	1.2	--	--	IS 3025 (P-45) 1993; APHA 23rd Edition :3500 K B
13	Specific conductivity (micromho/cm)	656	--	--	IS 3025(P-14) 2013; APHA 23rd Edition:4500 S F
14	Boron as B (mg/l)	BDL (DL = 0.10)	Max 0.5	Max 2.4	APHA 23rd Edition 4500B

**\*\*END OF REPORT\*\***



*(Signature)*  
(Authorized Signatory)  
Technical Manager-I  
Environ Tech Laboratories

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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



## TEST REPORT

Kuantum Paper Limited

Saila Khurd, Railway Rd, Hoshiarpur, Punjab -146001

Customer Ref. Number	PO No.4300007804, PO Date 06.12.2024	Report No.	ETL/01012025/4236
Sample Code given by Customer	Not Mentioned	Report Date.	01.01.2025
Type of Sample	Ground Water	ULR No.	Not Applicable
Sampling Condition	Satisfactory	Sample Reg No.	ETL/W/26122024/4236
Quantity	2.00 LTR	Date of Sampling	25.12.2024
Sampling Location	Piezometer No.12, Village - Nariala	Date of Sample Receipt	26.12.2024
Sample Collected By	Mr. K.K. Mishra & Team	Date of Test Performance	27.12.2024 - 01.01.2025
Sampling Procedure	As per lab SOP	Packing Mode	Plastic Bottle

Discipline: Chemical

Group: Water

Sample Description: Clear and Colourless 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	Carbonate as CaCO <sub>3</sub> (mg/l)	BDL	--	--	IS 3025(P-51) 2023
2	Bicarbonate as HCO <sub>3</sub> (mg/l)	390	--	--	IS 3025(P-51) 2023
3	Residual sodium carbonate (meq/l)	1.00	--	--	IS 11624:2019 (By calculations)
4	Sodium absorption ratio	0.95	--	--	IS 11624-2019 By Calculation Method
5	Chemical oxygen demand (mg/l)	BDL (DL = 4.00)	--	--	IS 3025(P-58) 2023; APHA 23rd Edition:5220B
6	Bio chemical Oxygen Demand (3 days@27°C) (mg/l)	BDL (DL = 2.00)	--	--	IS 3025 (P-44) 2023; APHA 23rd Edition :5220 B

\*\*END OF REPORT\*\*



  
(Authorized Signatory)  
Technical Manager-I  
Environ Tech Laboratories

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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TC-5879



## TEST REPORT

**Kuantum Paper Limited**

Saila Khurd, Railway Rd, Hoshiarpur, Punjab -146001

Customer Ref. Number	PO No.4300007804, PO Date 06.12.2024	Report No.	ETL/01012025/4237
Sample Code given by Customer	Not Mentioned	Report Date.	01.01.2025
Type of Sample	Ground Water	ULR No.	TC587924000005113F
Sampling Condition	Satisfactory	Sample Reg No.	ETL/W/26122024/4237
Quantity	2.00 LTR	Date of Sampling	25.12.2024
Sampling Location	Piezometer No. 13, Inside Factory	Date of Sample Receipt	26.12.2024
Sample Collected By	Mr. K.K. Mishra & Team	Date of Test Performance	27.12.2024 - 01.01.2025
Sampling Procedure	As per lab SOP	Packing Mode	Plastic Bottle

**Discipline: Chemical**

**Sample Description: Clear and Colourless Liquid**

**Group: Water**

### PART A

S.No.	Parameters	Results	Limits of IS: 10500 - 2012		Test method
			Requirement (Acceptable limit)	Permissible limit in absence of alternate source	
1	pH @ 25°C	7.8	6.5 – 8.5	No relaxation	IS 3025(P-11) 2022; APHA 23rd Edition:4500
2	Total Dissolved Solids (mg/l)	456	Max 500	Max 2000	IS 3025 (P-16) 2023; APHA 23rd Edition:2540 C
3	Calcium (as Ca) (mg/l)	60.8	Max 75	Max 200	IS 3025(P-40) 1991; APHA 23rd Edition 3500Ca B
4	Chloride as Cl (mg/l)	21.36	Max 250	Max 1000	IS 3025(P-32) 1988; APHA 23rd Edition:4500 Cl B
5	Fluoride as F (mg/l)	0.15	Max 1.0	Max 1.5	APHA 23rd Edition:4500 F-D
6	Magnesium (as Mg) (mg/l)	28.7	Max 30	Max 100	IS 3025 (Part-46) 2023; APHA23rd Edition :3500Mg B
7	Nitrate (as NO3) (mg/l)	0.5	Max 45	No relaxation	IS 3025 (P-34) 1988; APHA23rd Edition:4500 NO3 B
8	Sulphate (as SO4) (mg/l)	13.7	Max 200	Max 400	IS 3025 (P-24) Sec 1:2022; APHA 23rd Edition :4500 SO4 E
9	Total Alkalinity (as CaCO3) (mg/l)	320	Max 200	Max 600	IS 3025(P-23) 2023; APHA 23rd Edition:2320 B
10	Total Hardness(as CaCO3) (mg/l)	270	Max 200	Max 600	IS 3025 (P-21) 2009; APHA 23rd Edition :2340 C
11	Sodium (as Na) (mg/l)	40	--	--	IS 3025 (P-45) 1993; APHA 23rd Edition :3500 Na B
12	Potassium (as K) (mg/l)	1.6	--	--	IS 3025 (P-45) 1993; APHA 23rd Edition :3500 K B
13	Specific conductivity (micromho/cm)	692	--	--	IS 3025(P-14) 2013; APHA 23rd Edition:4500 S F
14	Boron as B (mg/l)	BDL (DL = 0.10)	Max 0.5	Max 2.4	APHA 23rd Edition 4500B

**\*\*END OF REPORT\*\***



*(Signature)*  
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Technical Manager-I  
Environ Tech Laboratories

Note:

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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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# Environ Tech Laboratories

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



## TEST REPORT

**Kvantum Paper Limited**

Saila Khurd, Railway Rd, Hoshiarpur, Punjab -146001

Customer Ref. Number	PO No.4300007804, PO Date 06.12.2024	Report No.	ETL/01012025/4237
Sample Code given by Customer	Not Mentioned	Report Date.	01.01.2025
Type of Sample	Ground Water	ULR No.	Not Applicable
Sampling Condition	Satisfactory	Sample Reg No.	ETL/W/26122024/4237
Quantity	2.00 LTR	Date of Sampling	25.12.2024
Sampling Location	Piezometer No. 13, Inside Factory	Date of Sample Receipt	26.12.2024
Sample Collected By	Mr. K.K. Mishra & Team	Date of Test Performance	27.12.2024 - 01.01.2025
Sampling Procedure	As per lab SOP	Packing Mode	Plastic Bottle

**Discipline: Chemical**

**Group: Water**

**Sample Description: Clear and Colourless 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	Carbonate as CaCO <sub>3</sub> (mg/l)	BDL	--	--	IS 3025(P-51) 2023
2	Bicarbonate as HCO <sub>3</sub> (mg/l)	390	--	--	IS 3025(P-51) 2023
3	Residual sodium carbonate (meq/l)	1.00	--	--	IS 11624:2019 (By calculations)
4	Sodium absorption ratio	1.06	--	--	IS 11624-2019 By Calculation Method
5	Chemical oxygen demand (mg/l)	BDL (DL = 4.00)	--	--	IS 3025(P-58) 2023; APHA 23rd Edition:5220B
6	Bio chemical Oxygen Demand (3 days@27°C) (mg/l)	BDL (DL = 2.00)	--	--	IS 3025 (P-44) 2023; APHA 23rd Edition :5220 B

**\*\*END OF REPORT\*\***



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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



TC-5879



## TEST REPORT

**Kuantum Paper Limited**  
Saila Khurd, Railway Rd, Hoshiarpur, Punjab -146001

Customer Ref. Number	PO No.4300007804, PO Date 06.12.2024	Report No.	ETL/01012025/4238
Sample Code given by Customer	Not Mentioned	Report Date.	01.01.2025
Type of Sample	Ground Water	ULR No.	TC587924000005114F
Sampling Condition	Satisfactory	Sample Reg No.	ETL/W/26122024/4238
Quantity	2.00 LTR	Date of Sampling	25.12.2024
Sampling Location	Piezometer No.-14, Inside factory near canteen	Date of Sample Receipt	26.12.2024
Sample Collected By	Mr. K.K. Mishra & Team	Date of Test Performance	27.12.2024 - 01.01.2025
Sampling Procedure	As per lab SOP	Packing Mode	Plastic Bottle

**Discipline: Chemical** **Group: Water**  
**Sample Description: Clear and Colourless 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	pH @ 25°C	7.1	6.5 – 8.5	No relaxation	IS 3025(P-11) 2022; APHA 23rd Edition:4500
2	Total Dissolved Solids (mg/l)	451	Max 500	Max 2000	IS 3025 (P-16) 2023; APHA 23rd Edition:2540 C
3	Calcium (as Ca) (mg/l)	65.6	Max 75	Max 200	IS 3025(P-40) 1991; APHA 23rd Edition 3500Ca B
4	Chloride as Cl (mg/l)	38.9	Max 250	Max 1000	IS 3025(P-32) 1988; APHA 23rd Edition:4500 Cl B
5	Fluoride as F (mg/l)	0.18	Max 1.0	Max 1.5	APHA 23rd Edition:4500 F-D
6	Magnesium (as Mg) (mg/l)	35.5	Max 30	Max 100	IS 3025 (Part-46) 2023; APHA23rd Edition :3500Mg B
7	Nitrate (as NO3) (mg/l)	0.5	Max 45	No relaxation	IS 3025 (P-34) 1988; APHA23rd Edition:4500 NO3 B
8	Sulphate (as SO4) (mg/l)	9.8	Max 200	Max 400	IS 3025 (P-24) Sec 1:2022; APHA 23rd Edition :4500 SO42 E
9	Total Alkalinity (as CaCO3) (mg/l)	340	Max 200	Max 600	IS 3025(P-23) 2023; APHA 23rd Edition:2320 B
10	Total Hardness(as CaCO3) (mg/l)	310	Max 200	Max 600	IS 3025 (P-21) 2009; APHA 23rd Edition :2340 C
11	Sodium (as Na) (mg/l)	40	--	--	IS 3025 (P-45) 1993; APHA 23rd Edition :3500 Na B
12	Potassium (as K) (mg/l)	1.9	--	--	IS 3025 (P-45) 1993; APHA 23rd Edition :3500 K B
13	Specific conductivity (micromho/cm)	752	--	--	IS 3025(P-14) 2013; APHA 23rd Edition:4500 S F
14	Boron as B (mg/l)	BDL (DL = 0.10)	Max 0.5	Max 2.4	APHA 23rd Edition 4500B



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



## TEST REPORT

**Kuantum Paper Limited**

Saila Khurd, Railway Rd, Hoshiarpur, Punjab -146001

Customer Ref. Number	PO No.4300007804, PO Date 06.12.2024	Report No.	ETL/01012025/4238
Sample Code given by Customer	Not Mentioned	Report Date.	01.01.2025
Type of Sample	Ground Water	ULR No.	Not Applicable
Sampling Condition	Satisfactory	Sample Reg No.	ETL/W/26122024/4238
Quantity	2.00 LTR	Date of Sampling	25.12.2024
Sampling Location	Piezometer No.-14, Inside factory near canteen	Date of Sample Receipt	26.12.2024
Sample Collected By	Mr. K.K. Mishra & Team	Date of Test Performance	27.12.2024 - 01.01.2025
Sampling Procedure	As per lab SOP	Packing Mode	Plastic Bottle

**Discipline: Chemical**

**Group: Water**

**Sample Description: Clear and Colourless 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	Carbonate as CaCO <sub>3</sub> (mg/l)	BDL	--	--	IS 3025(P-51) 2023
2	Bicarbonate as HCO <sub>3</sub> (mg/l)	415	--	--	IS 3025(P-51) 2023
3	Residual sodium carbonate (meq/l)	0.60	--	--	IS 11624:2019 (By calculations)
4	Sodium absorption ratio	0.99	--	--	IS 11624-2019 By Calculation Method
5	Chemical oxygen demand (mg/l)	BDL (DL = 4.00)	--	--	IS 3025(P-58) 2023; APHA 23rd Edition:5220B
6	Bio chemical Oxygen Demand (3 days@27°C) (mg/l)	04	--	--	IS 3025 (P-44) 2023; APHA 23rd Edition :5220 B

**\*\*END OF REPORT\*\***



  
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Environ Tech Laboratories

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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TC-5879



## TEST REPORT

**Kuantum Paper Limited**  
Saila Khurd, Railway Rd, Hoshiarpur, Punjab -146001

Customer Ref. Number	PO No.4300007804, PO Date 06.12.2024	Report No.	ETL/01012025/4239
Sample Code given by Customer	Not Mentioned	Report Date.	01.01.2025
Type of Sample	Ground Water	ULR No.	TC587924000005115F
Sampling Condition	Satisfactory	Sample Reg No.	ETL/W/26122024/4239
Quantity	2.00 LTR	Date of Sampling	25.12.2024
Sampling Location	Piezometer No. 15, Near Security Gate	Date of Sample Receipt	26.12.2024
Sample Collected By	Mr. K.K. Mishra & Team	Date of Test Performance	27.12.2024 - 01.01.2025
Sampling Procedure	As per lab SOP	Packing Mode	Plastic Bottle

**Discipline: Chemical** **Group: Water**  
**Sample Description: Clear and Colourless 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	pH @ 25°C	7.2	6.5 – 8.5	No relaxation	IS 3025(P-11) 2022; APHA 23rd Edition:4500
2	Total Dissolved Solids (mg/l)	444	Max 500	Max 2000	IS 3025 (P-16) 2023; APHA 23rd Edition:2540 C
3	Calcium (as Ca) (mg/l)	70.4	Max 75	Max 200	IS 3025(P-40) 1991; APHA 23rd Edition 3500Ca B
4	Chloride as Cl (mg/l)	69.9	Max 250	Max 1000	IS 3025(P-32) 1988; APHA 23rd Edition:4500 Cl B
5	Fluoride as F (mg/l)	BDL (DL = 0.10)	Max 1.0	Max 1.5	APHA 23rd Edition:4500 F-D
6	Magnesium (as Mg) (mg/l)	30.2	Max 30	Max 100	IS 3025 (Part-46) 2023; APHA23rd Edition :3500Mg B
7	Nitrate (as NO3) (mg/l)	0.5	Max 45	No relaxation	IS 3025 (P-34) 1988; APHA23rd Edition:4500 NO3 B
8	Sulphate (as SO4) (mg/l)	15.4	Max 200	Max 400	IS 3025 (P-24) Sec 1:2022; APHA 23rd Edition :4500 SO42 E
9	Total Alkalinity (as CaCO3) (mg/l)	310	Max 200	Max 600	IS 3025(P-23) 2023; APHA 23rd Edition:2320 B
10	Total Hardness(as CaCO3) (mg/l)	300	Max 200	Max 600	IS 3025 (P-21) 2009; APHA 23rd Edition :2340 C
11	Sodium (as Na) (mg/l)	56	--	--	IS 3025 (P-45) 1993; APHA 23rd Edition :3500 Na B
12	Potassium (as K) (mg/l)	2.8	--	--	IS 3025 (P-45) 1993; APHA 23rd Edition :3500 K B
13	Specific conductivity (micromho/cm)	740	--	--	IS 3025(P-14) 2013; APHA 23rd Edition:4500 S F
14	Boron as B (mg/l)	BDL (DL = 0.10)	Max 0.5	Max 2.4	APHA 23rd Edition 4500B



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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



## TEST REPORT

**Kuantum Paper Limited**

Saila Khurd, Railway Rd, Hoshiarpur, Punjab -146001

Customer Ref. Number	PO No.4300007804, PO Date 06.12.2024	Report No.	ETL/01012025/4239
Sample Code given by Customer	Not Mentioned	Report Date.	01.01.2025
Type of Sample	Ground Water	ULR No.	Not Applicable
Sampling Condition	Satisfactory	Sample Reg No.	ETL/W/26122024/4239
Quantity	2.00 LTR	Date of Sampling	25.12.2024
Sampling Location	Piezometer No. 15, Near Security Gate	Date of Sample Receipt	26.12.2024
Sample Collected By	Mr. K.K. Mishra & Team	Date of Test Performance	27.12.2024 - 01.01.2025
Sampling Procedure	As per lab SOP	Packing Mode	Plastic Bottle

**Discipline: Chemical**

**Group: Water**

**Sample Description: Clear and Colourless 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	Carbonate as CaCO <sub>3</sub> (mg/l)	BDL	--	--	IS 3025(P-51) 2023
2	Bicarbonate as HCO <sub>3</sub> (mg/l)	378	--	--	IS 3025(P-51) 2023
3	Residual sodium carbonate (meq/l)	0.20	--	--	IS 11624:2019 (By calculations)
4	Sodium absorption ratio	1.41	--	--	IS 11624-2019 By Calculation Method
5	Chemical oxygen demand (mg/l)	06	--	--	IS 3025(P-58) 2023; APHA 23rd Edition:5220B
6	Bio chemical Oxygen Demand (3 days@27°C) (mg/l)	02	--	--	IS 3025 (P-44) 2023; APHA 23rd Edition :5220 B

**\*\*END OF REPORT\*\***



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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TC-5879



## TEST REPORT

Kuantum Paper Limited

Saila Khurd, Railway Rd, Hoshiarpur, Punjab -146001

Customer Ref. Number	PO No.4300007804, PO Date 06.12.2024	Report No.	ETL/01012025/4240
Sample Code given by Customer	Not Mentioned	Report Date.	01.01.2025
Type of Sample	Ground Water	ULR No.	TC587924000005116F
Sampling Condition	Satisfactory	Sample Reg No.	ETL/W/26122024/4240
Quantity	2.00 LTR	Date of Sampling	25.12.2024
Sampling Location	Piezometer No. 16, Near Tubewell No.12	Date of Sample Receipt	26.12.2024
Sample Collected By	Mr. K.K. Mishra & Team	Date of Test Performance	27.12.2024 - 01.01.2025
Sampling Procedure	As per lab SOP	Packing Mode	Plastic Bottle

Discipline: Chemical

Group: Water

Sample Description: Clear and Colourless 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	pH @ 25°C	7.20	6.5 – 8.5	No relaxation	IS 3025(P-11) 2022; APHA 23rd Edition:4500
2	Total Dissolved Solids (mg/l)	432	Max 500	Max 2000	IS 3025 (P-16) 2023;
3	Calcium (as Ca) (mg/l)	70.4	Max 75	Max 200	IS 3025(P-40) 1991; APHA 23rd Edition 3500Ca B
4	Chloride as Cl (mg/l)	23.3	Max 250	Max 1000	IS 3025(P-32) 1988; APHA 23rd Edition:4500 Cl B
5	Fluoride as F (mg/l)	BDL (DL = 0.10)	Max 1.0	Max 1.5	APHA 23rd Edition:4500 F-D
6	Magnesium (as Mg) (mg/l)	27.8	Max 30	Max 100	IS 3025 (Part-46) 2023; APHA23rd Edition :3500Mg B
7	Nitrate (as NO3) (mg/l)	5.9	Max 45	No relaxation	IS 3025 (P-34) 1988; APHA23rd Edition:4500 NO3 B
8	Sulphate (as SO4) (mg/l)	8.3	Max 200	Max 400	IS 3025 (P-24) Sec 1:2022; APHA 23rd Edition :4500 SO42 E
9	Total Alkalinity (as CaCO3) (mg/l)	320	Max 200	Max 600	IS 3025(P-23) 2023; APHA 23rd Edition:2320 B
10	Total Hardness(as CaCO3) (mg/l)	290	Max 200	Max 600	IS 3025 (P-21) 2009; APHA 23rd Edition :2340 C
11	Sodium (as Na) (mg/l)	32	--	--	IS 3025 (P-45) 1993; APHA 23rd Edition :3500 Na B
12	Potassium (as K) (mg/l)	1.5	--	--	IS 3025 (P-45) 1993; APHA 23rd Edition :3500 K B
13	Specific conductivity (micromho/cm)	650	--	--	IS 3025(P-14) 2013; APHA 23rd Edition:4500 S F
14	Boron as B (mg/l)	BDL (DL = 0.10)	Max 0.5	Max 2.4	APHA 23rd Edition 4500B



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Technical Manager-I  
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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



## TEST REPORT

**Kuantum Paper Limited**

Saila Khurd, Railway Rd, Hoshiarpur, Punjab -146001

Customer Ref. Number	PO No.4300007804, PO Date 06.12.2024	Report No.	ETL/01012025/4240
Sample Code given by Customer	Not Mentioned	Report Date.	01.01.2025
Type of Sample	Ground Water	ULR No.	Not Applicable
Sampling Condition	Satisfactory	Sample Reg No.	ETL/W/26122024/4240
Quantity	2.00 LTR	Date of Sampling	25.12.2024
Sampling Location	Piezometer No. 16, Near Tubewell No.12	Date of Sample Receipt	26.12.2024
Sample Collected By	Mr. K.K. Mishra & Team	Date of Test Performance	27.12.2024 - 01.01.2025
Sampling Procedure	As per lab SOP	Packing Mode	Plastic Bottle

**Discipline: Chemical**

**Group: Water**

**Sample Description: Clear and Colourless 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	Carbonate as CaCO <sub>3</sub> (mg/l)	BDL	--	--	IS 3025(P-51) 2023
2	Bicarbonate as HCO <sub>3</sub> (mg/l)	390	--	--	IS 3025(P-51) 2023
3	Residual sodium carbonate (meq/l)	0.60	--	--	IS 11624:2019 (By calculations)
4	Sodium absorption ratio	0.82	--	--	IS 11624-2019 By Calculation Method
5	Chemical oxygen demand (mg/l)	BDL (DL = 4.00)	--	--	IS 3025(P-58) 2023; APHA 23rd Edition:5220B
6	Bio chemical Oxygen Demand (3 days@27°C) (mg/l)	BDL (DL = 2.00)	--	--	IS 3025 (P-44) 2023; APHA 23rd Edition :5220 B

**\*\*END OF REPORT\*\***



*(Signature)*  
(Authorized Signatory)  
Technical Manager-I  
Environ Tech Laboratories

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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TC-5879



## TEST REPORT

**Kuantum Paper Limited**

Saila Khurd, Railway Rd, Hoshiarpur, Punjab -146001

Customer Ref. Number	PO No.4300007804, PO Date 06.12.2024	Report No.	ETL/01012025/4241
Sample Code given by Customer	Not Mentioned	Report Date.	01.01.2025
Type of Sample	Ground Water	ULR No.	TC587924000005117F
Sampling Condition	Satisfactory	Sample Reg No.	ETL/W/26122024/4241
Quantity	2.00 LTR	Date of Sampling	25.12.2024
Sampling Location	Piezometer No. 17, Village Kutti Paddi	Date of Sample Receipt	26.12.2024
Sample Collected By	Mr. K.K. Mishra & Team	Date of Test Performance	27.12.2024 - 01.01.2025
Sampling Procedure	As per lab SOP	Packing Mode	Plastic Bottle

**Discipline: Chemical**

**Sample Description: Clear and Colourless Liquid**

**Group: Water**

S.No.	Parameters	Results	PART A		Test method
			Limits of IS: 10500 - 2012		
			Requirement (Acceptable limit)	Permissible limit in absence of alternate source	
1	pH @ 25°C	7.35	6.5 - 8.5	No relaxation	IS 3025(P-11) 2022; APHA 23rd Edition:4500
2	Total Dissolved Solids (mg/l)	410	Max 500	Max 2000	IS 3025 (P-16) 2023; APHA 23rd Edition:2540 C
3	Calcium (as Ca) (mg/l)	67.1	Max 75	Max 200	IS 3025(P-40) 1991; APHA 23rd Edition 3500Ca B
4	Chloride as Cl (mg/l)	29.1	Max 250	Max 1000	IS 3025(P-32) 1988; APHA 23rd Edition:4500 Cl B
5	Fluoride as F (mg/l)	0.21	Max 1.0	Max 1.5	APHA 23rd Edition:4500 F-D
6	Magnesium (as Mg) (mg/l)	24.9	Max 30	Max 100	IS 3025 (Part-46) 2023; APHA23rd Edition :3500Mg B
7	Nitrate (as NO3) (mg/l)	5.2	Max 45	No relaxation	IS 3025 (P-34) 1988; APHA23rd Edition:4500 NO3 B
8	Sulphate (as SO4) (mg/l)	4.4	Max 200	Max 400	IS 3025 (P-24) Sec 1:2022; APHA 23rd Edition :4500 SO42 E
9	Total Alkalinity (as CaCO3) (mg/l)	290	Max 200	Max 600	IS 3025(P-23) 2023; APHA 23rd Edition:2320 B
10	Total Hardness(as CaCO3) (mg/l)	270	Max 200	Max 600	IS 3025 (P-21) 2009; APHA 23rd Edition :2340 C
11	Sodium (as Na) (mg/l)	30	--	--	IS 3025 (P-45) 1993; APHA 23rd Edition :3500 Na B
12	Potassium (as K) (mg/l)	1.6	--	--	IS 3025 (P-45) 1993; APHA 23rd Edition :3500 K B
13	Specific conductivity (micromho/cm)	618	--	--	IS 3025(P-14) 2013; APHA 23rd Edition:4500 S F
14	Boron as B (mg/l)	BDL (DL = 0.10)	Max 0.5	Max 2.4	APHA 23rd Edition 4500B

**\*\*END OF REPORT\*\***



*[Signature]*  
(Authorized Signatory)  
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Mob. 9464000081, 9417220081, 9417210081, (O) 94630-00081, 0172-4630081  
GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



## TEST REPORT

**Kuantum Paper Limited**

Saila Khurd, Railway Rd, Hoshiarpur, Punjab -146001

Customer Ref. Number	PO No.4300007804, PO Date 06.12.2024	Report No.	ETL/01012025/4241
Sample Code given by Customer	Not Mentioned	Report Date.	01.01.2025
Type of Sample	Ground Water	ULR No.	Not Applicable
Sampling Condition	Satisfactory	Sample Reg No.	ETL/W/26122024/4241
Quantity	2.00 LTR	Date of Sampling	25.12.2024
Sampling Location	Piezometer No. 17, Village Kutti Paddi	Date of Sample Receipt	26.12.2024
Sample Collected By	Mr. K.K. Mishra & Team	Date of Test Performance	27.12.2024 - 01.01.2025
Sampling Procedure	As per lab SOP	Packing Mode	Plastic Bottle

**Discipline: Chemical**

**Sample Description: Clear and Colourless Liquid**

**Group: Water**

S.No.	Parameters	Results	Limits of IS: 10500 - 2012		Test method
			Requirement (Acceptable limit)	Permissible limit in absence of alternate source	
1	Carbonate as CaCO <sub>3</sub> (mg/l)	BDL	--	--	IS 3025(P-51) 2023
2	Bicarbonate as HCO <sub>3</sub> (mg/l)	354	--	--	IS 3025(P-51) 2023
3	Residual sodium carbonate (mcq/l)	0.40	--	--	IS 11624:2019 (By calculations)
4	Sodium absorption ratio	0.79	--	--	IS 11624-2019 By Calculation Method
5	Chemical oxygen demand (mg/l)	BDL (DL = 4.00)	--	--	IS 3025(P-58) 2023; APHA 23rd Edition:5220B
6	Bio chemical Oxygen Demand (3 days@27°C) (mg/l)	BDL (DL = 2.00)	--	--	IS 3025 (P-44) 2023; APHA 23rd Edition :5220 B

**\*\*END OF REPORT\*\***



  
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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TC-5879



## TEST REPORT

**Kuantum Paper Limited**

Saila Khurd, Railway Rd, Hoshiarpur, Punjab -146001

Customer Ref. Number	PO No.4300007804, PO Date 06.12.2024	Report No.	ETL/01012025/4242
Sample Code given by Customer	Not Mentioned	Report Date.	01.01.2025
Type of Sample	Ground Water	ULR No.	TC587924000005118F
Sampling Condition	Satisfactory	Sample Reg No.	ETL/W/26122024/4242
Quantity	2.00 LTR	Date of Sampling	25.12.2024
Sampling Location	Piezomete No.18, Village Possi	Date of Sample Receipt	26.12.2024
Sample Collected By	Mr. K.K. Mishra & Team	Date of Test Performance	27.12.2024 - 01.01.2025
Sampling Procedure	As per lab SOP	Packing Mode	Plastic Bottle

**Discipline: Chemical**

**Sample Description: Clear and Colourless Liquid**

**Group: Water**

### PART A

S.No.	Parameters	Results	Limits of IS: 10500 - 2012		Test method
			Requirement (Acceptable limit)	Permissible limit in absence of alternate source	
1	pH @ 25°C	7.23	6.5 – 8.5	No relaxation	IS 3025(P-11) 2022; APHA 23rd Edition:4500
2	Total Dissolved Solids (mg/l)	415	Max 500	Max 2000	IS 3025 (P-16) 2023; APHA 23rd Edition:2540 C
3	Calcium (as Ca) (mg/l)	63.2	Max 75	Max 200	IS 3025(P-40) 1991; APHA 23rd Edition 3500Ca B
4	Chloride as Cl (mg/l)	9.71	Max 250	Max 1000	IS 3025(P-32) 1988; APHA 23rd Edition:4500 Cl B
5	Fluoride as F (mg/l)	0.26	Max 1.0	Max 1.5	APHA 23rd Edition:4500-F-D
6	Magnesium (as Mg) (mg/l)	24.8	Max 30	Max 100	IS 3025 (Part-46) 2023; APHA23rd Edition :3500Mg B
7	Nitrate (as NO3) (mg/l)	0.6	Max 45	No relaxation	IS 3025 (P-34) 1988; APHA23rd Edition:4500 NO3 B
8	Sulphate (as SO4) (mg/l)	6.8	Max 200	Max 400	IS 3025 (P-24) Sec 1:2022; APHA 23rd Edition :4500 SO42 E
9	Total Alkalinity (as CaCO3) (mg/l)	310	Max 200	Max 600	IS 3025(P-23) 2023; APHA 23rd Edition:2320 B
10	Total Hardness(as CaCO3) (mg/l)	360	Max 200	Max 600	IS 3025 (P-21) 2009; APHA 23rd Edition :2340 C
11	Sodium (as Na) (mg/l)	30	--	--	IS 3025 (P-45) 1993; APHA 23rd Edition :3500 Na B
12	Potassium (as K) (mg/l)	1.6	--	--	IS 3025 (P-45) 1993; APHA 23rd Edition :3500 K B
13	Specific conductivity (micromho/cm)	631	--	--	IS 3025(P-14) 2013; APHA 23rd Edition:4500 S F
14	Boron as B (mg/l)	BDL (DL = 0.10)	Max 0.5	Max 2.4	APHA 23rd Edition 4500B

**\*\*END OF REPORT\*\***



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



## TEST REPORT

**Kuantum Paper Limited**  
Saila Khurd, Railway Rd, Hoshiarpur, Punjab -146001

Customer Ref. Number	PO No.4300007804, PO Date 06.12.2024	Report No.	ETL/01012025/4242
Sample Code given by Customer	Not Mentioned	Report Date.	01.01.2025
Type of Sample	Ground Water	ULR No.	Not Applicable
Sampling Condition	Satisfactory	Sample Reg No.	ETL/W/26122024/4242
Quantity	2.00 LTR	Date of Sampling	25.12.2024
Sampling Location	Piezomete No.18, Village Possi	Date of Sample Receipt	26.12.2024
Sample Collected By	Mr. K.K. Mishra & Team	Date of Test Performance	27.12.2024 - 01.01.2025
Sampling Procedure	As per lab SOP	Packing Mode	Plastic Bottle

**Discipline: Chemical**

**Sample Description: Clear and Colourless liquid**

**Group: Water**

S.No.	Parameters	Results	Limits of IS: 10500 - 2012		Test method
			Requirement (Acceptable limit)	Permissible limit in absence of alternate source	
1	Carbonate as CaCO <sub>3</sub> (mg/l)	BDL	--	--	IS 3025(P-51) 2023
2	Bicarbonate as HCO <sub>3</sub> (mg/l)	378	--	--	IS 3025(P-51) 2023
3	Residual sodium carbonate (meq/l)	1.00	--	--	IS 11624:2019 (By calculations)
4	Sodium absorbtion ratio	0.81	--	--	IS 11624-2019 By Calculation Method
5	Chemical oxygen demand (mg/l)	BDL (DL = 4.00)	--	--	IS 3025(P-58) 2023; APHA 23rd Edition:5220B
6	Bio chemical Oxygen Demand (3 days@27°C) (mg/l)	BDL (DL = 2.00)	--	--	IS 3025 (P-44) 2023; APHA 23rd Edition :5220 B

**\*\*END OF REPORT\*\***



(Authorized Signatory)  
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Environ Tech Laboratories

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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TC-5879



## TEST REPORT

**Kwantum Paper Limited**

Saila Khurd, Railway Rd, Hoshiarpur, Punjab -146001

Customer Ref. Number	PO No.4300007804, PO Date 06.12.2024	Report No.	ETL/31122024/4249
Sample Code given by Customer	Not Mentioned	Report Date.	31.12.2024
Type of Sample	Stack Emission.	ULR No.	TC587924000005125F
Sampling Condition	Satisfactory	Sample Reg No.	ETL/A/27122024/4249
Quantity	1.00 NOS	Date of Sampling	25.12.2024
Sampling Location	Power Boiler-4(60 TPH)	Date of Sample Receipt	27.12.2024
Sample Collected By	Mr. K.K. Mishra & Team	Date of Test Performance	27.12.2024 - 31.12.2024
Sampling Procedure	As per lab SOP	Packing Mode	Plastic Bottle & Air Tight Bag

**Discipline: Chemical**

**Group: Atmospheric Pollution**

### TECHNICAL DATA

Instrument Used for Sampling	Stack Monitoring Instrument		
Source of Emission	Stack Attached to Power Boiler-4(60 TPH)		
Engine S. No	--	Model Name	--
Mfg. Year	--	Type of Fuel Used	Rice Husk & Coal
Diameter Of Stack (mtr)	Bottom-3.43, Top-3.43	Fuel Used Qty. (Per Hour)	--
Stack Height from Ground Level (mtr)	70	Type Of Stack	Circular & RCC
Ambient Temperature °C	25	Average Flow Rate (LPM)	24
Stack Temperature °C	105	Sampling Duration (min)	42
Velocity of Flue Gases (m/s)	7.10	Control Measure (if any)	ESP
Sampling Point	Sampling done from port hole of stack	Volumetric low rate (Nm <sup>3</sup> /Hr)	66930

Sr.No.	PARAMETERS	RESULTS	Limits as per CPCB	TEST METHOD
1	Particulate Matter(at 12% CO <sub>2</sub> ),mg/Nm <sup>3</sup>	27.4	150	IS11255(P-1) 1985
2	Sulphur Dioxide as SO <sub>2</sub> ,mg/Nm <sup>3</sup>	60.6	Not Specified	IS 11255 (P-2) 1985
3	Oxides of nitrogen Nox (as NO <sub>2</sub> ),mg/Nm <sup>3</sup>	92.5	Not Specified	IS 11255 (P-7) 2005
4	Carbon Dioxide as CO <sub>2</sub> ,%	12	Not Specified	IS:13270-1992
6	Oxygen as O <sub>2</sub> ,%	8.8	Not Specified	IS 13270-1992

**\*\*END OF REPORT\*\***



*Rameshwar Kumar*  
(Authorized Signatory)  
Technical Manager-II  
Environ Tech Laboratories

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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TC-5879



## TEST REPORT

**Kuantum Paper Limited**

Saifa Khurd, Railway Rd, Hoshiarpur, Punjab -146001

Customer Ref. Number	PO No.4300007804, PO Date 06.12.2024	Report No.	ETL/31122024/4250
Sample Code given by Customer	Not Mentioned	Report Date.	31.12.2024
Type of Sample	Stack Emission.	ULR No.	TC587924000005126F
Sampling Condition	Satisfactory	Sample Reg No.	ETL/A/27122024/4250
Quantity	1.00 NOS	Date of Sampling	25.12.2024
Sampling Location	Power Boiler-5 (130 TPH)	Date of Sample Receipt	27.12.2024
Sample Collected By	Mr. K.K. Mishra & Team	Date of Test Performance	27.12.2024 - 31.12.2024
Sampling Procedure	As per lab SOP	Packing Mode	Plastic Bottle & Air Tight Bag

**Discipline: Chemical**

**Group: Atmospheric Pollution**

### TECHNICAL DATA

Instrument Used for Sampling		Stack Monitoring Instrument	
Source of Emission		Stack Attached to Power Boiler-5 (130 TPH)	
Engine S. No	--	Model Name	--
Mfg. Year	--	Type of Fuel Used	Rice Husk & Coal
Diameter Of Stack (mtr)	Bottom-2.75, Top-2.20	Fuel Used Qty. (Per Hour)	--
Stack Height from Ground Level (mtr)	80	Type Of Stack	Circular & RCC
Ambient Temperature °C	25	Average Flow Rate (LPM)	21
Stack Temperature °C	108	Sampling Duration (min)	48
Velocity of Flue Gases (m/s)	6.26	Control Measure (if any)	ESP
Sampling Point	Sampling done from port hole of stack	Volumetric low rate (Nm <sup>3</sup> /Hr)	58547

Sr.No.	PARAMETERS	RESULTS	Limits as per CPCB	TEST METHOD
1	Particulate Matter (at 12% CO <sub>2</sub> ), mg/Nm <sup>3</sup>	26.3	150	IS 11255 (P-1) 1985
2	Sulphur Dioxide as SO <sub>2</sub> , mg/Nm <sup>3</sup>	70.3	Not Specified	IS 11255 (P-2) 1985
3	Oxides of nitrogen Nox (as NO <sub>2</sub> ), mg/Nm <sup>3</sup>	96.5	Not Specified	IS 11255 (P-7) 2005
4	Carbon Dioxide as CO <sub>2</sub> , %	12.2	Not Specified	IS:13270-1992
6	Oxygen as O <sub>2</sub> , %	8.2	Not Specified	IS 13270-1992

**\*\*END OF REPORT\*\***



*Ramesh Kumar*  
(Authorized Signatory)  
Technical Manager-II  
Environ Tech Laboratories

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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



## TEST REPORT

Kuantum Paper Limited  
Saila Khurd, Railway Rd, Hoshiarpur, Punjab -146001

Customer Ref. Number	PO No.4300007804, PO Date 06.12.2024	Report No.	ETL/31122024/4251
Sample Code given by Customer	Not Mentioned	Report Date.	31.12.2024
Type of Sample	Stack Emission.	ULR No.	TC587924900005127F
Sampling Condition	Satisfactory	Sample Reg No.	ETL/A/27122024/4251
Quantity	1.00 NOS	Date of Sampling	25.12.2024
Sampling Location	Recovery Boiler-Old (21 TPH)	Date of Sample Receipt	27.12.2024
Sample Collected By	Mr. K.K. Mishra & Team	Date of Test Performance	27.12.2024 - 31.12.2024
Sampling Procedure	As per lab SOP	Packing Mode	Plastic Bottle & Air Tight Bag

Discipline: Chemical

Group: Atmospheric Pollution

### TECHNICAL DATA

Instrument Used for Sampling	Stack Monitoring Instrument		
Source of Emission	Stack Attached to Recovery Boiler-Old (21 TPH)		
Engine S. No	--	Model Name	--
Mfg. Year	--	Type of Fuel Used	Black Liquor
Diameter Of Stack (mtr)	Bottom-2.07, Top-1.67	Fuel Used Qty. (Per Hour)	--
Stack Height from Ground Level (mtr)	70	Type Of Stack	Circular & RCC
Ambient Temperature °C	25	Average Flow Rate (LPM)	27
Stack Temperature °C	142	Sampling Duration (min)	37
Velocity of Flue Gases (m/s)	8.77	Control Measure (if any)	ESP
Sampling Point	Sampling done from port hole of stack	Volumetric low rate (Nm <sup>3</sup> /Hr)	75302

Sr.No.	PARAMETERS	RESULTS	Limits as per CPCB	TEST METHOD
1	Particulate Matter(at 12% CO <sub>2</sub> ),mg/Nm <sup>3</sup>	29.8	150	IS11255(P-1) 1985
2	Sulphur Dioxide as SO <sub>2</sub> ,mg/Nm <sup>3</sup>	53.1	Not Specified	IS 11255 (P-2) 1985
3	Oxides of nitrogen Nox (as NO <sub>2</sub> ),mg/Nm <sup>3</sup>	78.3	Not Specified	IS 11255 (P-7) 2005
4	Carbon Dioxide as CO <sub>2</sub> ,%	11.4	Not Specified	IS:13270-1992
6	Oxygen as O <sub>2</sub> ,%	9.6	Not Specified	IS 13270-1992

\*\*END OF REPORT\*\*



Rameshwar Kumar  
(Authorized Signatory)  
Technical Manager-II  
Environ Tech Laboratories

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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

Kuantum Paper Limited  
Saila Khurd, Railway Rd, Hoshiarpur, Punjab - 146001

Customer Ref. Number	PO No.4300007804, PO Date 06.12.2024	Report No.	ETL/31122024/4248
Sample Code given by Customer	Not Mentioned	Report Date.	31.12.2024
Type of Sample	Stack Emission.	ULR No.	TC587924000005124F
Sampling Condition	Satisfactory	Sample Reg No.	ETL/A/27122024/4248
Quantity	1.00 NOS	Date of Sampling	25.12.2024
Sampling Location	Recovery Boiler New (65 TPH)	Date of Sample Receipt	27.12.2024
Sample Collected By	Mr. K.K. Mishra & Team	Date of Test Performance	27.12.2024 - 31.12.2024
Sampling Procedure	As per lab SOP	Packing Mode	Plastic Bottle & Air Tight Bag

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 (mtr)	Bottom-2.07, Top-1.67	Fuel Used Qty. (Per Hour)	--
Stack Height from Ground Level (mtr)	75	Type Of Stack	Circular & RCC
Ambient Temperature °C	25	Average Flow Rate (LPM)	16
Stack Temperature °C	92	Sampling Duration (min)	63
Velocity of Flue Gases (m/s)	10.42	Control Measure (if any)	ESP
Sampling Point	Sampling done from port hole of stack	Volumetric low rate (Nm <sup>3</sup> /Hr)	101725

Sr.No.	PARAMETERS	RESULTS	Limits as per CPCB	TEST METHOD
1	Particulate Matter(at 12% CO <sub>2</sub> ),mg/Nm <sup>3</sup>	27.3	150	IS11255(P-1) 1985
2	Sulphur Dioxide as SO <sub>2</sub> ,mg/Nm <sup>3</sup>	44.3	Not Specified	IS 11255 (P-2) 1985
3	Oxides of nitrogen Nox (as NO <sub>2</sub> ),mg/Nm <sup>3</sup>	97.7	Not Specified	IS 11255 (P-7) 2005
4	Carbon Dioxide as CO <sub>2</sub> ,%	10.6	Not Specified	IS:13270-1992
6	Oxygen as O <sub>2</sub> ,%	9.0	Not Specified	IS 13270-1992

\*\*END OF REPORT\*\*



Rameshwar Kumar  
(Authorized Signatory)  
Technical Manager-II  
Environ Tech Laboratories

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Page 1 of 1

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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TC-5879



## TEST REPORT

**Kuantum Paper Limited**

Saila Khurd, Railway Rd, Hoshiarpur, Punjab -146001

Customer Ref. Number	PO No.4300007804, PO Date 06.12.2024	Report No.	ETL/31122024/4276
Sample Code given by Customer	Not Mentioned	Report Date.	31.12.2024
Type of Sample	Stack Emission	ULR No.	TC587924000005148F
Sampling Condition	Satisfactory	Sample Reg No.	ETL/A/27122024/4276
Quantity	1.00 NOS	Date of Sampling	25.12.2024
Sampling Location	DG Set - 30 KVA - In Admin Block	Date of Sample Receipt	27.12.2024
Sample Collected By	Mr. K.K. Mishra & Team	Date of Test Performance	27.12.2024 - 31.12.2024
Sampling Procedure	As per lab SOP	Packing Mode	Plastic Bottle & Air Tight Bag

**Discipline: Chemical**

**Group: Atmospheric Pollution**

### TECHNICAL DATA

Instrument Used for Sampling		Stack Monitoring Instrument	
Source of Emission		Stack Attached to DG Set - 30 KVA - In Admin Block	
Engine S. No	2103B06392	Model Name	Cummins
Mfg. Year	23.03.2021	Type of Fuel Used	HSD
Diameter Of Stack (mtr.)	0.0762	Fuel Used Qty. (Per Hour)	3-4 l/hr
Stack Height from Ground Level (mtr.)	3.048	Type Of Stack	Circular & Metal
Ambient Temperature °C	25	Average Flow Rate (LPM)	28
Stack Temperature °C	97	Sampling Duration (min)	35
Velocity of Flue Gases (m/s)	8.20	Control Measure (if any)	-
Sampling Point	Sampling done from port hole of stack	Volumetric flow rate (Nm <sup>3</sup> /Hr)	107

Sr.No.	PARAMETERS	RESULTS	Limits as per CPCB	TEST METHOD
1	Particulate Matter, as PM g/kW-hr	0.10	≤ 0.3	IS11255(P-1) 1985
2	Sulphur Dioxide (as SO <sub>2</sub> ) g/kW-hr	BDL	Not Specified	IS 11255 (P-2) 1985
3	Oxides of nitrogen, Nox ( as NO <sub>2</sub> ) g/kW-hr	0.41	≤ 4.7**	IS 11255 (P-7) 2005

**\*\*END OF REPORT\*\***



*Rameshwar Kumar*  
(Authorized Signatory)  
Technical Manager-II  
Environ Tech Laboratories

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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



## TEST REPORT

**Kuantum Paper Limited**

Saila Khurd, Railway Rd, Hoshiarpur, Punjab -146001

Customer Ref. Number	PO No.4300007804, PO Date 06.12.2024	Report No.	ETL/31122024/4276
Sample Code given by Customer	Not Mentioned	Report Date.	31.12.2024
Type of Sample	Stack Emission	ULR No.	Not Applicable
Sampling Condition	Satisfactory	Sample Reg No.	ETL/A/27122024/4276
Quantity	1.00 NOS	Date of Sampling	25.12.2024
Sampling Location	DG Set - 30 KVA - In Admin Block	Date of Sample Receipt	27.12.2024
Sample Collected By	Mr. K.K. Mishra & Team	Date of Test Performance	27.12.2024 - 31.12.2024
Sampling Procedure	As per lab SOP	Packing Mode	Plastic Bottle & Air Tight Bag

### TECHNICAL DATA

Instrument Used for Sampling	Stack Monitoring Instrument		
Source of Emission	Stack Attached to DG Set - 30 KVA - In Admin Block		
Engine S. No	2103B06392	Model Name	Cummins
Mfg. Year	23.03.2021	Type of Fuel Used	HSD
Diameter Of Stack (mtr.)	0.0762	Fuel Used Qty. (Per Hour)	3-4 l/hr
Stack Height from Ground Level (mtr.)	3.048	Type Of Stack	Circular & Metal
Ambient Temperature °C	25	Average Flow Rate (LPM)	28
Stack Temperature °C	97	Sampling Duration (min)	35
Velocity of Flue Gases (m/s)	8.20	Control Measure (if any)	--
Sampling Point	Sampling done from port hole of stack	Volumetric flow rate (Nm <sup>3</sup> /Hr)	107

Sr.No.	PARAMETERS	RESULTS	Limits as per CPCB	TEST METHOD
1	Carbon Monoxide, as CO g/kW-hr	0.48	≤ 3.5	IS 13270-1992
2	Total Hydrocarbon as HC g/kW-hr	0.13	**	Lab SOP
**Standard Limit of (Nox+HC) <= 4.7				

\*\*END OF REPORT\*\*



*Rameshwar Kumar*  
(Authorized Signatory)  
Technical Manager-II  
Environ Tech Laboratories

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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TC-5879



## TEST REPORT

**Kuantum Paper Limited**

Saila Khurd, Railway Rd, Hoshiarpur, Punjab -146001

Customer Ref. Number	PO No.4300007804, PO Date 06.12.2024	Report No.	ETL/31122024/4277
Sample Code given by Customer	Not Mentioned	Report Date.	31.12.2024
Type of Sample	Stack Emission	ULR No.	TC587924000005149F
Sampling Condition	Satisfactory	Sample Reg No.	ETL/A/27122024/4277
Quantity	1.00 NOS	Date of Sampling	25.12.2024
Sampling Location	DG Set - 50 KVA - In Old CRP	Date of Sample Receipt	27.12.2024
Sample Collected By	Mr. K.K. Mishra & Team	Date of Test Performance	27.12.2024 - 31.12.2024
Sampling Procedure	As per lab SOP	Packing Mode	Plastic Bottle & Air Tight Bag

**Discipline: Chemical**

**Group: Atmospheric Pollution**

### TECHNICAL DATA

Instrument Used for Sampling	Stack Monitoring Instrument	
Source of Emission	Stack Attached to DG Set - 50 KVA - In Old CRP	
Engine S. No	3003/0800371	
Mfg. Year	06.2008	
Diameter Of Stack (mtr.)	0.0762	
Stack Height from Ground Level (mtr.)	4.58	
Ambient Temperature °C	25	
Stack Temperature °C	84	
Velocity of Flue Gases (m/s)	7.77	
Sampling Point	Sampling done from port hole of stack	
	Model Name	Cummins
	Type of Fuel Used	HSD
	Fuel Used Qty. (Per Hour)	4-6 l/hr
	Type Of Stack	Circular & Metal
	Average Flow Rate (LPM)	28
	Sampling Duration (min)	36
	Control Measure (if any)	--
	Volumetric flow rate (Nm <sup>3</sup> /Hr)	105

Sr.No.	PARAMETERS	RESULTS	Limits as per CPCB	TEST METHOD
1	Particulate Matter, as PM g/kW-hr	0.11	≤ 0.3	IS11255(P-1) 1985
2	Sulphur Dioxide (as SO <sub>2</sub> ) g/kW-hr	BDL	Not Specified	IS 11255 (P-2) 1985
3	Oxides of nitrogen, Nox ( as NO <sub>2</sub> ) g/kW-hr	0.38	≤ 4.7**	IS 11255 (P-7) 2005

**\*\*END OF REPORT\*\***



*Rameshwar Kumar*  
(Authorized Signatory)  
Technical Manager-II  
Environ Tech Laboratories

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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



## TEST REPORT

**Kuantum Paper Limited**

Saila Khurd, Railway Rd, Hoshiarpur, Punjab -146001

Customer Ref. Number	PO No.4300007804, PO Date 06.12.2024	Report No.	ETL/31122024/4277
Sample Code given by Customer	Not Mentioned	Report Date.	31.12.2024
Type of Sample	Stack Emission	ULR No.	Not Applicable
Sampling Condition	Satisfactory	Sample Reg No.	ETL/A/27122024/4277
Quantity	1.00 NOS	Date of Sampling	25.12.2024
Sampling Location	DG Set - 50 KVA - In Old CRP	Date of Sample Receipt	27.12.2024
Sample Collected By	Mr. K.K. Mishra & Team	Date of Test Performance	27.12.2024 - 31.12.2024
Sampling Procedure	As per lab SOP	Packing Mode	Plastic Bottle & Air Tight Bag

### TECHNICAL DATA

Instrument Used for Sampling	Stack Monitoring Instrument		
Source of Emission	Stack Attached to DG Set - 50 KVA - In Old CRP		
Engine S. No	3003/0800371	Model Name	Cummins
Mfg. Year	06.2008	Type of Fuel Used	HSD
Diameter Of Stack (mtr.)	0.0762	Fuel Used Qty. (Per Hour)	4-6 l/hr
Stack Height from Ground Level (mtr.)	4.58	Type Of Stack	Circular & Metal
Ambient Temperature °C	25	Average Flow Rate (LPM)	28
Stack Temperature °C	84	Sampling Duration (min)	36
Velocity of Flue Gases (m/s)	7.77	Control Measure (if any)	--
Sampling Point	Sampling done from port hole of stack	Volumetric flow rate (Nm <sup>3</sup> /Hr)	105

Sr.No.	PARAMETERS	RESULTS	Limits as per CPCB	TEST METHOD
1	Carbon Monoxide, as CO g/kW-hr	0.45	≤ 3.5	IS 13270-1992
2	Total Hydrocarbon as HC g/kW-hr	0.14	**	Lab SOP

\*\*Standard Limit of (Nox+HC) < 4.7

\*\*END OF REPORT\*\*



*Rameshwar Kumar*  
(Authorized Signatory)  
Technical Manager-II  
Environ Tech Laboratories

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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TC-5879



## TEST REPORT

**Kvantum Paper Limited**

Saila Khurd, Railway Rd, Hoshiarpur, Punjab -146001

Customer Ref. Number	PO No.4300007804, PO Date 06.12.2024	Report No.	ETL/31122024/4274
Sample Code given by Customer	Not Mentioned	Report Date.	31.12.2024
Type of Sample	Stack Emission	ULR No.	TC587924000005146F
Sampling Condition	Satisfactory	Sample Reg No.	ETL/A/27122024/4274
Quantity	1.00 NOS	Date of Sampling	25.12.2024
Sampling Location	DG Set - 160 KVA - In New CRP	Date of Sample Receipt	27.12.2024
Sample Collected By	Mr. K.K. Mishra & Team	Date of Test Performance	27.12.2024 - 31.12.2024
Sampling Procedure	As per lab SOP	Packing Mode	Plastic Bottle & Air Tight Bag

**Discipline: Chemical**

**Group: Atmospheric Pollution**

### TECHNICAL DATA

Instrument Used for Sampling	Stack Monitoring Instrument		
Source of Emission	Stack Attached to DG Set - 160 KVA - In New CRP		
Engine S. No	84913143	Model Name	Cummins
Mfg. Year	13.01.2020	Type of Fuel Used	HSD
Diameter Of Stack (mtr)	0.1016	Fuel Used Qty. (Per Hour)	15-20 l/hr
Stack Height from Ground Level (mtr)	7.62	Type Of Stack	Circular & Metal
Ambient Temperature °C	25	Average Flow Rate (LPM)	24
Stack Temperature °C	185	Sampling Duration (min)	41
Velocity of Flue Gases (m/s)	8.7	Control Measure (if any)	--
Sampling Point	Sampling done from port hole of stack	Volumetric flow rate (Nm <sup>3</sup> /Hr)	164

Sr.No.	PARAMETERS	RESULTS	Limits as per CPCB	TEST METHOD
1	Particulate Matter, (as PM) g/kW-hr	0.09	≤ 0.2	IS11255(P-1) 1985
2	Sulphur Dioxide (as SO <sub>2</sub> ) g/kW-hr	BDL	Not Specified	IS 11255 (P-2) 1985
3	Oxides of Nitrogen, Nox (as NO <sub>2</sub> ) g/kW-hr	0.37	≤ 4.0**	IS 11255 (P-7) 2005

**\*\*END OF REPORT\*\***



*Rameshwar Kumar*  
(Authorized Signatory)  
Technical Manager-II  
Environ Tech Laboratories

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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



## TEST REPORT

**Kuantum Paper Limited**

Saila Khurd, Railway Rd, Hoshiarpur, Punjab -146001

Customer Ref. Number	PO No.4300007804, PO Date 06.12.2024	Report No.	ETL/31122024/4274
Sample Code given by Customer	Not Mentioned	Report Date.	31.12.2024
Type of Sample	Stack Emission	ULR No.	Not Applicable
Sampling Condition	Satisfactory	Sample Reg No.	ETL/A/27122024/4274
Quantity	1.00 NOS	Date of Sampling	25.12.2024
Sampling Location	DG Set - 160 KVA - In New CRP	Date of Sample Receipt	27.12.2024
Sample Collected By	Mr. K.K. Mishra & Team	Date of Test Performance	27.12.2024 - 31.12.2024
Sampling Procedure	As per lab SOP	Packing Mode	Plastic Bottle & Air Tight Bag

### TECHNICAL DATA

Instrument Used for Sampling	Stack Monitoring Instrument	
Source of Emission	Stack Attached to DG Set - 160 KVA - In New CRP	
Engine S. No	84913143	
Mfg. Year	13.01.2020	
Diameter Of Stack (mtr)	0.1016	
Stack Height from Ground Level (mtr)	7.62	
Ambient Temperature °C	25	
Stack Temperature °C	185	
Velocity of Flue Gases (m/s)	8.7	
Sampling Point	Sampling done from port hole of stack	
	Model Name	Cummins
	Type of Fuel Used	HSD
	Fuel Used Qty. (Per Hour)	15-20 l/hr
	Type Of Stack	Circular & Metal
	Average Flow Rate (LPM)	24
	Sampling Duration (min)	41
	Control Measure (if any)	--
	Volumetric flow rate (Nm <sup>3</sup> /Hr)	164

Sr.No.	PARAMETERS	RESULTS	Limits as per CPCB	TEST METHOD
1	Carbon Monoxide, as CO g/kW-hr	0.40	≤ 3.5	IS 13270-1992
2	Total Hydrocarbon as HC g/kW-hr	0.14	**	Lab SOP
**Standard Limit of (Nox+HC) <= 4.0				

\*\*END OF REPORT\*\*



*Rameshwar Kumar*  
(Authorized Signatory)  
Technical Manager-II  
Environ Tech Laboratories

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TC-5879



## TEST REPORT

**Kuantum Paper Limited**

Saila Khurd, Railway Rd, Hoshiarpur, Punjab -146001

Customer Ref. Number	PO No.4300007804, PO Date 06.12.2024	Report No.	ETL/31122024/4275
Sample Code given by Customer	Not Mentioned	Report Date.	31.12.2024
Type of Sample	Stack Emission	ULR No.	TC587924000005147F
Sampling Condition	Satisfactory	Sample Reg No.	ETL/A/27122024/4275
Quantity	1.00 NOS	Date of Sampling	25.12.2024
Sampling Location	DG Set - 160 KVA - In CIO2 Plant	Date of Sample Receipt	27.12.2024
Sample Collected By	Mr. K.K. Mishra & Team	Date of Test Performance	27.12.2024 - 31.12.2024
Sampling Procedure	As per lab SOP	Packing Mode	Plastic Bottle & Air Tight Bag

**Discipline: Chemical**

**Group: Atmospheric Pollution**

### TECHNICAL DATA

Instrument Used for Sampling		Stack Monitoring Instrument	
Source of Emission		Stack Attached to DG Set - 160 KVA - In CIO2 Plant	
Engine S. No	84473539	Model Name	Cummins
Mfg. Year	13.07.2018	Type of Fuel Used	HSD
Diameter Of Stack (mtr)	0.1016	Fuel Used Qty. (Per Hour)	11-15 l/hr
Stack Height from Ground Level (mtr)	7.62	Type Of Stack	Circular & Metal
Ambient Temperature °C	25	Average Flow Rate (LPM)	27
Stack Temperature °C	110	Sampling Duration (min)	37
Velocity of Flue Gases (m/s)	7.97	Control Measure (if any)	--
Sampling Point	Sampling done from port hole of stack	Volumetric flow rate (Nm <sup>3</sup> /Hr)	179

Sr.No.	PARAMETERS	RESULTS	Limits as per CPCB	TEST METHOD
1	Particulate Matter, (as PM) g/kW-hr	0.10	≤ 0.2	IS11255(P-1) 1985
2	Sulphur Dioxide (as SO <sub>2</sub> ) g/kW-hr	BDL	Not Specified	IS 11255 (P-2) 1985
3	Oxides of Nitrogen, Nox (as NO <sub>2</sub> ) g/kW-hr	0.42	≤ 4.0**	IS 11255 (P-7) 2005

**\*\*END OF REPORT\*\***



*Rameshwar Kumar*  
(Authorized Signatory)  
Technical Manager-II  
Environ Tech Laboratories

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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



## TEST REPORT

**Kuantum Paper Limited**

Saila Khurd, Railway Rd, Hoshiarpur, Punjab -146001

Customer Ref. Number	PO No.4300007804, PO Date 06.12.2024	Report No.	ETL/31122024/4275
Sample Code given by Customer	Not Mentioned	Report Date.	31.12.2024
Type of Sample	Stack Emission	ULR No.	Not Applicable
Sampling Condition	Satisfactory	Sample Reg No.	ETL/A/27122024/4275
Quantity	1.00 NOS	Date of Sampling	25.12.2024
Sampling Location	DG Set - 160 KVA - In ClO2 Plant	Date of Sample Receipt	27.12.2024
Sample Collected By	Mr. K.K. Mishra & Team	Date of Test Performance	27.12.2024 - 31.12.2024
Sampling Procedure	As per lab SOP	Packing Mode	Plastic Bottle & Air Tight Bag

### TECHNICAL DATA

Instrument Used for Sampling	Stack Monitoring Instrument		
Source of Emission	Stack Attached to DG Set - 160 KVA - In ClO2 Plant		
Engine S. No	84473539	Model Name	Cummins
Mfg. Year	13.07.2018	Type of Fuel Used	HSD
Diameter Of Stack (mtr)	0.1016	Fuel Used Qty. (Per Hour)	11-15 l/hr
Stack Height from Ground Level (mtr)	7.62	Type Of Stack	Circular & Metal
Ambient Temperature °C	25	Average Flow Rate (LPM)	27
Stack Temperature °C	110	Sampling Duration (min)	37
Velocity of Flue Gases (m/s)	7.97	Control Measure (if any)	--
Sampling Point	Sampling done from port hole of stack	Volumetric flow rate (Nm <sup>3</sup> /Hr)	179

Sr.No.	PARAMETERS	RESULTS	Limits as per CPCB	TEST METHOD
1	Carbon Monoxide, as CO g/kW-hr	0.48	≤ 3.5	IS 13270-1992
2	Total Hydrocarbon as HC g/kW-hr	0.16	**	Lab SOP

\*\*Standard Limit of (Nox+HC) <= 4.0

\*\*END OF REPORT\*\*



*Rameshwar Kumar*  
(Authorized Signatory)  
Technical Manager-II  
Environ Tech Laboratories

Note: BDL: Denotes Below Detection Limit DL: Denotes Detection Limit  
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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

### Kvantum Paper Limited

Saila Khurd, Railway Rd, Hoshiarpur, Punjab -146001

Customer Ref. Number	PO No.4300007804, PO Date 06.12.2024	Report No.	ETL/30122024/4252
Sample Code given by Customer	Not Mentioned	Report Date.	30.12.2024
Type of Sample	Work Zone Air	ULR No.	TC587924000005128F
Sampling Condition	Satisfactory	Sample Reg No.	ETL/A/27122024/4252
Quantity	1.00 NOS	Date of Sampling	25.12.2024
Sampling Location	Board Mill In ETP	Date of Sample Receipt	27.12.2024
Sample Collected By	Mr. K.K. Mishra & Team	Date of Test Performance	27.12.2024 - 30.12.2024
Sampling Procedure	As per lab SOP	Packing Mode	Plastic Bottle & Air Tight Bag

Discipline: Chemical

Group: Atmospheric Pollution

### TECHNICAL DATA

1	Instrument Used for Sampling	Handy Sampler
2	Source of Sampling	Work Zone Air
3	Flow Rate of Sampling	2 LPM
4	Time Period for Sampling	480 Minutes

Sr.No.	PARAMETERS	RESULTS	LIMIT	TEST METHOD
1	Respirable Suspended Particulate Matter(RSPM),mg/m <sup>3</sup>	0.452	As per OSHA 5.0	ETL/WZ/2022/SOP No.15
2	Sulphur Dioxide as SO <sub>2</sub> ,mg/m <sup>3</sup>	0.012	As per Factory act 1948 Schedule II 5.0	ETL/WZ/2022/SOP No.16
3	Nitrogen Dioxide as NO <sub>2</sub> ,mg/m <sup>3</sup>	0.028	As per Factory act 1948 Schedule II 6.0	ETL/WZ/2022/SOP No.17
4	Carbon Monoxide as CO,mg/m <sup>3</sup>	0.97	As per Factory act 1948 Schedule II 40.0	ETL/WZ/2022/SOP No.18

\*\*END OF REPORT\*\*



*Rameshwar Kumar*  
(Authorized Signatory)  
Technical Manager-II  
Environ Tech Laboratories

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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TC-5879



## TEST REPORT

### Kvantum Paper Limited

Saila Khurd, Railway Rd, Hoshiarpur, Punjab -146001

Customer Ref. Number	PO No.4300007804, PO Date 06.12.2024	Report No.	ETL/30122024/4253
Sample Code given by Customer	Not Mentioned	Report Date.	30.12.2024
Type of Sample	Work Zone Air	ULR No.	TC587924000005129F
Sampling Condition	Satisfactory	Sample Reg No.	ETL/A/27122024/4253
Quantity	1.00 NOS	Date of Sampling	25.12.2024
Sampling Location	Coal Screen Area (Boiler No. 4 & 5)	Date of Sample Receipt	27.12.2024
Sample Collected By	Mr. K.K. Mishra & Team	Date of Test Performance	27.12.2024 - 30.12.2024
Sampling Procedure	As per lab SOP	Packing Mode	Plastic Bottle & Air Tight Bag

Discipline: Chemical Group: Atmospheric Pollution

### TECHNICAL DATA

1	Instrument Used for Sampling	Handy Sampler
2	Source of Sampling	Work Zone Air
3	Flow Rate of Sampling	2 LPM
4	Time Period for Sampling	480 Minutes

Sr.No.	PARAMETERS	RESULTS	LIMIT	TEST METHOD
1	Respirable Suspended Particulate Matter (RSPM), mg/m <sup>3</sup>	0.895	As per OSHA 5.0	ETL/WZ/2022/SOP No.15
2	Sulphur Dioxide as SO <sub>2</sub> , mg/m <sup>3</sup>	0.015	As per Factory act 1948 Schedule II 5.0	ETL/WZ/2022/SOP No.16
3	Nitrogen Dioxide as NO <sub>2</sub> , mg/m <sup>3</sup>	0.024	As per Factory act 1948 Schedule II 6.0	ETL/WZ/2022/SOP No.17
4	Carbon Monoxide as CO, mg/m <sup>3</sup>	0.88	As per Factory act 1948 Schedule II 40.0	ETL/WZ/2022/SOP No.18

\*\*END OF REPORT\*\*



*Rameshwar Kumar*  
(Authorized Signatory)  
Technical Manager-II  
Environ Tech Laboratories

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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TC-5879



## TEST REPORT

**Kuantum Paper Limited**

Saila Khurd, Railway Rd, Hoshiarpur, Punjab -146001

Customer Ref. Number	PO No.4300007804, PO Date 06.12.2024	Report No.	ETL/30122024/4254
Sample Code given by Customer	Not Mentioned	Report Date.	30.12.2024
Type of Sample	Work Zone Air	ULR No.	TC587924000005130F
Sampling Condition	Satisfactory	Sample Reg No.	ETL/A/27122024/4254
Quantity	1.00 NOS	Date of Sampling	25.12.2024
Sampling Location	Pulp Mill - Near Wood Chips Feeding Point	Date of Sample Receipt	27.12.2024
Sample Collected By	Mr. K.K. Mishra & Team	Date of Test Performance	27.12.2024 - 30.12.2024
Sampling Procedure	As per lab SOP	Packing Mode	Plastic Bottle & Air Tight Bag

**Discipline: Chemical**

**Group: Atmospheric Pollution**

### TECHNICAL DATA

1	Instrument Used for Sampling	Handy Sampler
2	Source of Sampling	Work Zone Air
3	Flow Rate of Sampling	2 LPM
4	Time Period for Sampling	480 Minutes

Sr.No.	PARAMETERS	RESULTS	LIMIT	TEST METHOD
1	Respirable Suspended Particulate Matter (RSPM), mg/m <sup>3</sup>	0.598	As per OSHA 5.0	ETL/WZ/2022/SOP No.15
2	Sulphur Dioxide as SO <sub>2</sub> , mg/m <sup>3</sup>	0.012	As per Factory act 1948 Schedule II 5.0	ETL/WZ/2022/SOP No.16
3	Nitrogen Dioxide as NO <sub>2</sub> , mg/m <sup>3</sup>	0.025	As per Factory act 1948 Schedule II 6.0	ETL/WZ/2022/SOP No.17
4	Carbon Monoxide as CO, mg/m <sup>3</sup>	0.83	As per Factory act 1948 Schedule II 40.0	ETL/WZ/2022/SOP No.18

\*\*END OF REPORT\*\*



*Rameshwar Kumar*  
(Authorized Signatory)  
Technical Manager-II  
Environ Tech Laboratories

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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TC-5879



## TEST REPORT

**Kvantum Paper Limited**

Saila Khurd, Railway Rd, Hoshiarpur, Punjab -146001

Customer Ref. Number	PO No.4300007804, PO Date 06.12.2024	Report No.	ETL/30122024/4255
Sample Code given by Customer	Not Mentioned	Report Date.	30.12.2024
Type of Sample	Work Zone Air	ULR No.	TC587924000005131F
Sampling Condition	Satisfactory	Sample Reg No.	ETL/A/27122024/4255
Quantity	1.00 NOS	Date of Sampling	25.12.2024
Sampling Location	Pulp Mill - Near Wheat Straw Feeding Point	Date of Sample Receipt	27.12.2024
Sample Collected By	Mr. K.K. Mishra & Team	Date of Test Performance	27.12.2024 - 30.12.2024
Sampling Procedure	As per lab SOP	Packing Mode	Plastic Bottle & Air Tight Bag

**Discipline: Chemical**

**Group: Atmospheric Pollution**

### TECHNICAL DATA

1	Instrument Used for Sampling	Handy Sampler
2	Source of Sampling	Work Zone Air
3	Flow Rate of Sampling	2 LPM
4	Time Period for Sampling	480 Minutes

Sr.No.	PARAMETERS	RESULTS	LIMIT	TEST METHOD
1	Respirable Suspended Particulate Matter(RSPM),mg/m <sup>3</sup>	0.782	As per OSHA 5.0	ETL/WZ/2022/SOP No.15
2	Sulphur Dioxide as SO <sub>2</sub> ,mg/m <sup>3</sup>	0.013	As per Factory act 1948 Schedule II 5.0	ETL/WZ/2022/SOP No.16
3	Nitrogen Dioxide as NO <sub>2</sub> ,mg/m <sup>3</sup>	0.022	As per Factory act 1948 Schedule II 6.0	ETL/WZ/2022/SOP No.17
4	Carbon Monoxide as CO,mg/m <sup>3</sup>	0.97	As per Factory act 1948 Schedule II 40.0	ETL/WZ/2022/SOP No.18

\*\*END OF REPORT\*\*



*Rameshwar Kumar*  
(Authorized Signatory)  
Technical Manager-II  
Environ Tech Laboratories

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



TC-5879



## TEST REPORT

### Kvantum Paper Limited

Saila Khurd, Railway Rd, Hoshiarpur, Punjab -146001

Customer Ref. Number	PO No.4300007804, PO Date 06.12.2024	Report No.	ETL/30122024/4256
Sample Code given by Customer	Not Mentioned	Report Date.	30.12.2024
Type of Sample	Work Zone Air	ULR No.	TC587924000005132F
Sampling Condition	Satisfactory	Sample Reg No.	ETL/A/27122024/4256
Quantity	1.00 NOS	Date of Sampling	25.12.2024
Sampling Location	Paper M/C No.3	Date of Sample Receipt	27.12.2024
Sample Collected By	Mr. K.K. Mishra & Team	Date of Test Performance	27.12.2024 - 30.12.2024
Sampling Procedure	As per lab SOP	Packing Mode	Plastic Bottle & Air Tight Bag

Discipline: Chemical Group: Atmospheric Pollution

### TECHNICAL DATA

1	Instrument Used for Sampling	Handy Sampler
2	Source of Sampling	Work Zone Air
3	Flow Rate of Sampling	2 LPM
4	Time Period for Sampling	480 Minutes

Sr.No.	PARAMETERS	RESULTS	LIMIT	TEST METHOD
1	Respirable Suspended Particulate Matter (RSPM), mg/m <sup>3</sup>	0.396	As per OSHA 5.0	ETL/WZ/2022/SOP No.15
2	Sulphur Dioxide as SO <sub>2</sub> , mg/m <sup>3</sup>	0.014	As per Factory act 1948 Schedule II 5.0	ETL/WZ/2022/SOP No.16
3	Nitrogen Dioxide as NO <sub>2</sub> , mg/m <sup>3</sup>	0.026	As per Factory act 1948 Schedule II 6.0	ETL/WZ/2022/SOP No.17
4	Carbon Monoxide as CO, mg/m <sup>3</sup>	0.95	As per Factory act 1948 Schedule II 40.0	ETL/WZ/2022/SOP No.18

\*\*END OF REPORT\*\*



*Rameshwar Kumar*  
(Authorized Signatory)  
Technical Manager-II  
Environ Tech Laboratories

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



TC-5879



## TEST REPORT

**Kvantum Paper Limited**

Saila Khurd, Railway Rd, Hoshiarpur, Punjab -146001

Customer Ref. Number	PO No.4300007804, PO Date 06.12.2024	Report No.	ETL/30122024/4257
Sample Code given by Customer	Not Mentioned	Report Date.	30.12.2024
Type of Sample	Work Zone Air	ULR No.	TC587924000005133F
Sampling Condition	Satisfactory	Sample Reg No.	ETL/A/27122024/4257
Quantity	1.00 NOS	Date of Sampling	26.12.2024
Sampling Location	Near Silo Tank(Boiler 4&5)	Date of Sample Receipt	27.12.2024
Sample Collected By	Mr. K.K. Mishra & Team	Date of Test Performance	27.12.2024 - 30.12.2024
Sampling Procedure	As per lab SOP	Packing Mode	Plastic Bottle & Air Tight Bag

**Discipline: Chemical**

**Group: Atmospheric Pollution**

### TECHNICAL DATA

1	Instrument Used for Sampling	Handy Sampler
2	Source of Sampling	Work Zone Air
3	Flow Rate of Sampling	2 LPM
4	Time Period for Sampling	480 Minutes

Sr.No.	PARAMETERS	RESULTS	LIMIT	TEST METHOD
1	Respirable Suspended Particulate Matter(RSPM),mg/m <sup>3</sup>	0.780	As per OSHA 5.0	ETL/WZ/2022/SOP No.15
2	Sulphur Dioxide as SO <sub>2</sub> ,mg/m <sup>3</sup>	0.014	As per Factory act 1948 Schedule II 5.0	ETL/WZ/2022/SOP No.16
3	Nitrogen Dioxide as NO <sub>2</sub> ,mg/m <sup>3</sup>	0.028	As per Factory act 1948 Schedule II 6.0	ETL/WZ/2022/SOP No.17
4	Carbon Monoxide as CO,mg/m <sup>3</sup>	1.03	As per Factory act 1948 Schedule II 40.0	ETL/WZ/2022/SOP No.18

**\*\*END OF REPORT\*\***



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(Authorized Signatory)  
Technical Manager-II  
Environ Tech Laboratories

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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TC-5879



## TEST REPORT

**Kvantum Paper Limited**

Saila Khurd, Railway Rd, Hoshiarpur, Punjab -146001

Customer Ref. Number	PO No.4300007804, PO Date 06.12.2024	Report No.	ETL/30122024/4258
Sample Code given by Customer	Not Mentioned	Report Date.	30.12.2024
Type of Sample	Work Zone Air	ULR No.	TC587924000005134F
Sampling Condition	Satisfactory	Sample Reg No.	ETL/A/27122024/4258
Quantity	1.00 NOS	Date of Sampling	26.12.2024
Sampling Location	Line Godown In New CRP	Date of Sample Receipt	27.12.2024
Sample Collected By	Mr. K.K. Mishra & Team	Date of Test Performance	27.12.2024 - 30.12.2024
Sampling Procedure	As per lab SOP	Packing Mode	Plastic Bottle & Air Tight Bag

**Discipline: Chemical**

**Group: Atmospheric Pollution**

### TECHNICAL DATA

1	Instrument Used for Sampling	Handy Sampler
2	Source of Sampling	Work Zone Air
3	Flow Rate of Sampling	2 LPM
4	Time Period for Sampling	480 Minutes

Sr.No.	PARAMETERS	RESULTS	LIMIT	TEST METHOD
1	Respirable Suspended Particulate Matter(RSPM),mg/m <sup>3</sup>	0.564	As per OSHA 5.0	ETL/WZ/2022/SOP No.15
2	Sulphur Dioxide as SO <sub>2</sub> ,mg/m <sup>3</sup>	0.013	As per Factory act 1948 Schedule II 5.0	ETL/WZ/2022/SOP No.16
3	Nitrogen Dioxide as NO <sub>2</sub> ,mg/m <sup>3</sup>	0.024	As per Factory act 1948 Schedule II 6.0	ETL/WZ/2022/SOP No.17
4	Carbon Monoxide as CO,mg/m <sup>3</sup>	0.90	As per Factory act 1948 Schedule II 40.0	ETL/WZ/2022/SOP No.18

**\*\*END OF REPORT\*\***



*Rameshwar Kumar*  
(Authorized Signatory)  
Technical Manager-II  
Environ Tech Laboratories

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



TC-5879



## TEST REPORT

**Kvantum Paper Limited**

Saila Khurd, Railway Rd, Hoshiarpur, Punjab -146001

Customer Ref. Number	PO No.4300007804, PO Date 06.12.2024	Report No.	ETL/30122024/4259
Sample Code given by Customer	Not Mentioned	Report Date.	30.12.2024
Type of Sample	Work Zone Air	ULR No.	TC587924000005135F
Sampling Condition	Satisfactory	Sample Reg No.	ETL/A/27122024/4259
Quantity	1.00 NOS	Date of Sampling	26.12.2024
Sampling Location	Near M/C No.4/Starch Godown	Date of Sample Receipt	27.12.2024
Sample Collected By	Mr. K.K. Mishra & Team	Date of Test Performance	27.12.2024 - 30.12.2024
Sampling Procedure	As per lab SOP	Packing Mode	Plastic Bottle & Air Tight Bag

**Discipline: Chemical**

**Group: Atmospheric Pollution**

### TECHNICAL DATA

1	Instrument Used for Sampling	Handy Sampler
2	Source of Sampling	Work Zone Air
3	Flow Rate of Sampling	2 LPM
4	Time Period for Sampling	480 Minutes

Sr.No.	PARAMETERS	RESULTS	LIMIT	TEST METHOD
1	Respirable Suspended Particulate Matter(RSPM),mg/m <sup>3</sup>	0.806	As per OSHA 5.0	ETL/WZ/2022/SOP No.15
2	Sulphur Dioxide as SO <sub>2</sub> ,mg/m <sup>3</sup>	0.010	As per Factory act 1948 Schedule II 5.0	ETL/WZ/2022/SOP No.16
3	Nitrogen Dioxide as NO <sub>2</sub> ,mg/m <sup>3</sup>	0.023	As per Factory act 1948 Schedule II 6.0	ETL/WZ/2022/SOP No.17
4	Carbon Monoxide as CO,mg/m <sup>3</sup>	0.97	As per Factory act 1948 Schedule II 40.0	ETL/WZ/2022/SOP No.18

\*\*END OF REPORT\*\*



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



TC-5879



## TEST REPORT

### Kvantum Paper Limited

Saila Khurd, Railway Rd, Hoshiarpur, Punjab -146001

Customer Ref. Number	PO No.4300007804, PO Date 06.12.2024	Report No.	ETL/30122024/4260
Sample Code given by Customer	Not Mentioned	Report Date.	30.12.2024
Type of Sample	Work Zone Air	ULR No.	TC587924000005136F
Sampling Condition	Satisfactory	Sample Reg No.	ETL/A/27122024/4260
Quantity	1.00 NOS	Date of Sampling	26.12.2024
Sampling Location	Coal Feeding Point (Boiler No. 4 & 5)	Date of Sample Receipt	27.12.2024
Sample Collected By	Mr. K.K. Mishra & Team	Date of Test Performance	27.12.2024 - 30.12.2024
Sampling Procedure	As per lab SOP	Packing Mode	Plastic Bottle & Air Tight Bag

**Discipline: Chemical** **Group: Atmospheric Pollution**

### TECHNICAL DATA

1	Instrument Used for Sampling	Handy Sampler
2	Source of Sampling	Work Zone Air
3	Flow Rate of Sampling	2 LPM
4	Time Period for Sampling	480 Minutes

Sr.No.	PARAMETERS	RESULTS	LIMIT	TEST METHOD
1	Respirable Suspended Particulate Matter (RSPM), mg/m <sup>3</sup>	0.920	As per OSHA 5.0	ETL/WZ/2022/SOP No.15
2	Sulphur Dioxide as SO <sub>2</sub> , mg/m <sup>3</sup>	0.016	As per Factory act 1948 Schedule II 5.0	ETL/WZ/2022/SOP No.16
3	Nitrogen Dioxide as NO <sub>2</sub> , mg/m <sup>3</sup>	0.025	As per Factory act 1948 Schedule II 6.0	ETL/WZ/2022/SOP No.17
4	Carbon Monoxide as CO, mg/m <sup>3</sup>	1.03	As per Factory act 1948 Schedule II 40.0	ETL/WZ/2022/SOP No.18

\*\*END OF REPORT\*\*



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





# 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  
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GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TC-5879



## TEST REPORT

**Kvantum Paper Limited**

Saila Khurd, Railway Rd, Hoshiarpur, Punjab -146001

Customer Ref. Number	PO No.4300007804, PO Date 06.12.2024	Report No.	ETL/30122024/4261
Sample Code given by Customer	Not Mentioned	Report Date.	30.12.2024
Type of Sample	Work Zone Air	ULR No.	TC587924000005137F
Sampling Condition	Satisfactory	Sample Reg No.	ETL/A/27122024/4261
Quantity	1.00 NOS	Date of Sampling	26.12.2024
Sampling Location	Finishing House	Date of Sample Receipt	27.12.2024
Sample Collected By	Mr. K.K. Mishra & Team	Date of Test Performance	27.12.2024 - 30.12.2024
Sampling Procedure	As per lab SOP	Packing Mode	Plastic Bottle & Air Tight Bag

**Discipline: Chemical**

**Group: Atmospheric Pollution**

### TECHNICAL DATA

1	Instrument Used for Sampling	Handy Sampler
2	Source of Sampling	Work Zone Air
3	Flow Rate of Sampling	2 LPM
4	Time Period for Sampling	480 Minutes

Sr.No.	PARAMETERS	RESULTS	LIMIT	TEST METHOD
1	Respirable Suspended Particulate Matter(RSPM),mg/m <sup>3</sup>	0.280	As per OSHA 5.0	ETL/WZ/2022/SOP No.15
2	Sulphur Dioxide as SO <sub>2</sub> ,mg/m <sup>3</sup>	0.011	As per Factory act 1948 Schedule II 5.0	ETL/WZ/2022/SOP No.16
3	Nitrogen Dioxide as NO <sub>2</sub> ,mg/m <sup>3</sup>	0.020	As per Factory act 1948 Schedule II 6.0	ETL/WZ/2022/SOP No.17
4	Carbon Monoxide as CO,mg/m <sup>3</sup>	0.92	As per Factory act 1948 Schedule II 40.0	ETL/WZ/2022/SOP No.18

**\*\*END OF REPORT\*\***



*Rameshwar Kumar*  
(Authorized Signatory)  
Technical Manager-II  
Environ Tech Laboratories

- Note:** 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.