

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

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

### TEST REPORT



#### **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

Discipl	line: 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
		Max temp. 27°C
5	Environmental Condition	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/m3	10 µg/m3	IS:5182(P-23) 2006
2	Sulphur Dioxide (SO2)	14.5	80.0 µg/m3	2.0 µg/m3	IS:5182(P-2) 2001
3	Nitrogen Dioxide (NO2)	29.2	80.0 µg/m3	2.0 µg/m3	IS:5182(P-6) 2006
4	Fine Particulate Matter(PM2.5)	50.7	60.0 µg/m3	10 µg/m3	IS: 5182(P-24) 2019
5	Carbon Monoxide (CO)	1.0	4.0 mg/m3 (1 hr)	0.5 mg/m3	IS:5182(P-10) 1999
6	Nickel (Ni)	BDL	20.0 ng/m3	15 ng/m3	IS:5182(P-26) 2020
7	Arsenic (As)	BDL	6.0 ng/m3	5.0 ng/m3	SOP No.ETL/Air/2022/08
8	Lead (Pb)	BDL	1.0 µg/m3	0.1 μg/m3	IS:5182(P-22) 2004
9	Benzene (C6H6)	BDL	5.0 µg/m3	0.5 µg/m3	IS:5182(P-11) 2006
10	Benzo(a)pyrene (BaP)	BDL	1.0 ng/m3	1.0 ng/m3	IS:5182(P-12) 2004
11	Ammonia (NH3)	BDL	400.0 µg/m3	20 µg/m3	IS:5182(P-25) 2018
12	Ozone (O3)	25.1	180.0 µg/m3(1hr)	5.0 μg/m3	IS:5182 (P-9) 1974

\*END OF REPORT



Romestica Kumar

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

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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

Discipl	ine: 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
		Max temp. 27°C
5	Environmental Condition	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/m3	10 µg/m3	IS:5182(P-23) 2006
2	Sulphur Dioxide (SO2)	10.9	80.0 µg/m3	2.0 µg/m3	IS:5182(P-2) 2001
3	Nitrogen Dioxide (NO2)	28.3	80.0 µg/m3	2.0 µg/m3	IS:5182(P-6) 2006
4	Fine Particulate Matter(PM2.5)	54.5	60.0 μg/m3	10 µg/m3	IS: 5182(P-24) 2019
5	Carbon Monoxide (CO)	0.92	4.0 mg/m3 (1 hr)	0.5 mg/m3	IS:5182(P-10) 1999
6	Nickel (Ni)	BDL	20.0 ng/m3	15 ng/m3	IS:5182(P-26) 2020
7	Arsenic (As)	BDL	6.0 ng/m3	5.0 ng/m3	SOP No.ETL/Air/2022/08
8	Lead (Pb)	BDL	1.0 µg/m3	0.1 μg/m3	IS:5182(P-22) 2004
9	Benzene (C6H6)	BDL	5.0 µg/m3	0.5 μg/m3	IS:5182(P-11) 2006
10	Benzo(a)pyrene (BaP)	BDL	1.0 ng/m3	1.0 ng/m3	IS:5182(P-12) 2004
11	Ammonia (NH3)	BDL	400.0 µg/m3	20 µg/m3	IS:5182(P-25) 2018
12	Ozone (O3)	20.6	180.0 µg/m3(1hr)	5.0 μg/m3	IS:5182 (P-9) 1974

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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

Discipl	line: 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
		Max temp. 27°C
5	Environmental Condition	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/m3	10 µg/m3	IS:5182(P-23) 2006
2	Sulphur Dioxide (SO2)	14.7	80.0 µg/m3	2.0 µg/m3	IS:5182(P-2) 2001
3	Nitrogen Dioxide (NO2)	28.4	80.0 µg/m3	2.0 µg/m3	IS:5182(P-6) 2006
4	Fine Particulate Matter(PM2.5)	52.6	60.0 µg/m3	10 µg/m3	IS: 5182(P-24) 2019
5	Carbon Monoxide (CO)	1.03	4.0 mg/m3 (1 hr)	0.5 mg/m3	IS:5182(P-10) 1999
6	Nickel (Ni)	BDL	20.0 ng/m3	15 ng/m3	IS:5182(P-26) 2020
7	Arsenic (As)	BDL	6.0 ng/m3	5.0 ng/m3	SOP No.ETL/Air/2022/08
8	Lead (Pb)	BDL	1.0 μg/m3	0.1 μg/m3	IS:5182(P-22) 2004
9	Benzene (C6H6)	BDL	5.0 µg/m3	0.5 μg/m3	IS:5182(P-11) 2006
10	Benzo(a)pyrene (BaP)	BDL	1.0 ng/m3	1.0 ng/m3	IS:5182(P-12) 2004
11	Ammonia (NH3)	BDL	400.0 µg/m3	20 µg/m3	IS:5182(P-25) 2018
12	Ozone (O3)	20.0	180.0 µg/m3(1hr)	5.0 μg/m3	IS:5182 (P-9) 1974

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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

Discipl	line: 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
		Max temp. 27°C
5	Environmental Condition	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/m3	10 µg/m3	IS:5182(P-23) 2006
2	Sulphur Dioxide (SO2)	11.7	80.0 µg/m3	2.0 µg/m3	IS:5182(P-2) 2001
3	Nitrogen Dioxide (NO2)	27.6	80.0 µg/m3	2.0 µg/m3	IS:5182(P-6) 2006
4	Fine Particulate Matter(PM2.5)	47.6	60.0 µg/m3	10 µg/m3	IS: 5182(P-24) 2019
5	Carbon Monoxide (CO)	0.78	4.0 mg/m3 (1 hr)	0.5 mg/m3	IS:5182(P-10) 1999
6	Nickel (Ni)	BDL	20.0 ng/m3	15 ng/m3	IS:5182(P-26) 2020
7	Arsenic (As)	BDL	6.0 ng/m3	5.0 ng/m3	SOP No.ETL/Air/2022/08
8	Lead (Pb)	BDL	1.0 µg/m3	0.1 μg/m3	IS:5182(P-22) 2004
9	Benzene (C6H6)	BDL	5.0 µg/m3	0.5 μg/m3	IS:5182(P-11) 2006
10	Benzo(a)pyrene (BaP)	BDL	1.0 ng/m3	1.0 ng/m3	IS:5182(P-12) 2004
11	Ammonia (NH3)	BDL	400.0 µg/m3	20 µg/m3	IS:5182(P-25) 2018
12	Ozone (O3)	19.1	180.0 µg/m3(1hr)	5.0 μg/m3	IS:5182 (P-9) 1974

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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
			2410.4

Discipl	ine: 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
		Max temp. 27 °C
5	Environmental Condition	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/m3	10 µg/m3	IS:5182(P-23) 2006
2	Sulphur Dioxide (SO2)	12.3	80.0 µg/m3	2.0 µg/m3	IS:5182(P-2) 2001
3	Nitrogen Dioxide (NO2)	25.9	80.0 µg/m3	2.0 µg/m3	IS:5182(P-6) 2006
4	Fine Particulate Matter(PM2.5)	50.7	60.0 μg/m3	10 µg/m3	IS: 5182(P-24) 2019
5	Carbon Monoxide (CO)	0.80	4.0 mg/m3 (1 hr)	0.5 mg/m3	IS:5182(P-10) 1999
6	Nickel (Ni)	BDL	20.0 ng/m3	15 ng/m3	IS:5182(P-26) 2020
7	Arsenic (As)	BDL	6.0 ng/m3	5.0 ng/m3	SOP No.ETL/Air/2022/08
8	Lead (Pb)	BDL	1.0 µg/m3	0.1 μg/m3	IS:5182(P-22) 2004
9	Benzene (C6H6)	BDL	5.0 µg/m3	0.5 μg/m3	IS:5182(P-11) 2006
10	Benzo(a)pyrene (BaP)	BDL	1.0 ng/m3	1.0 ng/m3	IS:5182(P-12) 2004
11	Ammonia (NH3)	BDL	400.0 µg/m3	20 µg/m3	IS:5182(P-25) 2018
12	Ozone (O3)	22.1	180.0 µg/m3(1hr)	5.0 μg/m3	IS:5182 (P-9) 1974

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TC-5879





Group: Water

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

Sample Description: Clear and Colourless Liquid

			PART A		
	/		Limits of IS	: 10500 - 2012	
S.No.	Parameters	Results	Requirement (Acceptable limit)	Permissible limit in absence of alternate source	Test method
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	рН @ 25°С	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 CI B
13	Magnesium (as Mg) (mg/l)	8.8	Max 30	Max 100	IS 3025 (Part-46) 2023; APHA23rd Edition :3500Mg B
	Nitrate (as NO3) (mg/l)	6.5	Max 45	No relaxation	IS 3025 (P-34) 1988; APHA23rd Edition:4500 NO3 B
	Phenolic Compunds (as C6H5OH) (mg/l)	BDL	Max 0.001	Max 0.002	APHA 23rd Edition Chloroform Extraction Method, 5530 C

1

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TEST REPORT

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16	Sulphate (as SO4) (mg/I)	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 CaCO3) (mg/I)	170	Max 200	Max 600	IS 3025(P-23) 2023; APHA 23rd Edition:2320 B
19	Total Hardness(as CaCO3) (mg/I)	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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 3. The sample will be destroyed after thirty days from the date of issue of test report unless otherwise specified.

Page 2 of 5



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

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



### TEST REPORT



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 Limits of IS: 10500 - 2012 Permissible limit in S.No. Parameters Results Test method Requirement absence of alternate (Acceptable limit) source BDL IS 3025(P-57) 2021; 1 Boron as B (mg/l) Max 0.5 Max 2.4 (DL = 0.10)APHA 23rd Edition:4500 B BDL. 2 Copper (as Cu) (mg/l) Max 0.05 Max 1.5 APHA 23rd Edition 2017-3111 B (DL = 0.02)Max 1.0 No relaxation APHA 23rdEdition 3111B 0.38 Iron ( as Fe) (mg/l) 3 BDL Max 0.01 No relaxation APHA 23rdEdition 2017 3114B · 4 Selenium (as Se) (mg/l) (DL = 0.001)BDL 5 Max 5 Max 15 APHA 23rd Edition 2017-3111B Zinc (as Zn) (mg/l) (DL = 0.05)BDL 6 Max 0.003 No relaxation APHA 23rd Edition 2017-3111B Cadmium (as Cd) (mg/l) (DL = 0.02)BDL 7 Cyanide as CN (mg/l) Max 0.05 No relaxation APHA 23rd Edition:4500 E (DL = 0.01)BDL 8 Lead (as Pb) (mg/l) Max 0.01 No relaxation APHA 23rd Edition 2017-3111B (DL = 0.01)BDL 9 Max 0.001 APHA 23rdEdition 2017 3114B Mercury (as Hg) (mg/l) No relaxation (DL=0.001) BDL Max 0.02 No relaxation 10 Nickel ( as Ni) (mg/l) APHA 23rd Edition 2017-3111B (DL = 0.02)BDL 11 Arsenic (as As) (mg/l) Max 0.01 0.05 APHA 23rd Edition 2017-3114B (DL = 0.005)BDL Max 0.05 12 No relaxation APHA 23rd Edition 2017-3113B Total Chromium (as Cr) (mg/l) (DL = 0.04)BDL Max 0.1 No relaxation 13 Silver (as Ag) (mg/l) APHA 23rd Edition 2017-3114B (DL = 0.05)BDL 14 Manganese (as Mn) (mg/l) -Max 0.1 Max 0.3 APHA 23rd Edition 2017-3111B



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te: ND: Not Detected BDL: Denotes Below Detection Limit DL: Denotes/Detection Limit

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

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



### TEST REPORT



Group: Residues and contaminants in water

Kuantum Paper Limited

**Discipline:** Chemical

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

			PART C		
	Description	Develo	Limits of IS:	10500 - 2012	Test the d
S.No.	Parameters	Results	Detection Limit (µgl)	Acceptable Limit (µgl)	Test method
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	Chlorpyriphos (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(0, 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/I)	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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CPCB Recognized under EPA, 1986; ISO 9001:2015; OHSAS ISO 45001:2018

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

### **TEST REPORT**



#### 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

Biological			Group: Water
cription: Clear and Colourless Liquid			
	PART	D	*
Parameters	Results	Requirement as per IS 10500:2012 (Amendment No. 04-Nov- 2021)	Test method
coli	Not Detected	shall not be detectable in 100ml	IS 15185:2016
al coliform	Not Detected	shall not be detectable in 100 ml	IS 15185:2016
	Parameters	ription: Clear and Colourless Liquid PART Parameters Results soli Not Detected	Parameters Results Res

\*\*END OF REPORT\*\*



(Authorized Signatory) Technical Manager-1 Environ Tech Laboratories

ND: Not Detected BDL: Denotes Below Detection Limit DL: Denotes Detection Limit

1. The test report refers only to tested sample and applicable parameters.

Note

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Group: Water

Test method

Anney K of IS 13478

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**

**Discipline:** Chemical

Saila Khurd, Railway Rd, Hoshiarpur, Punjab -146001

Sample Description: Clear and colourless liquid

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

#### PARTE Limits of IS: 10500 - 2012 S. No. Parameters Results Requirement Permissible limit in absence (Acceptable limit) Anionic Detergente(ac MBAS) mg/l May Not Detected 0.2 ×.

1	Anionic Detergents(as MBAS) mg/1,Max	Not Detected	0.2	1.0	Annex K of 15 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

of alternate source

1:0



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ote:

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

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



### TEST REPORT



Group: Water

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

Sample Description: Clear and Colourless Liquid

			PART A		
			Limits of IS:	10500 - 2012	
S.No.	Parameters	Results	Requirement (Acceptable limit)	Permissible limit in absence of alternate source	Test method
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	рН @ 25°С	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 Cl2 (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 NO3) (mg/l)	1.8	Max 45	No relaxation	IS 3025 (P-34) 1988; APHA23rd Edition:4500 NO3 B
15	Phenolic Compunds (as C6H5OH) (mg/l)	BDL	Ch Lab Max 0.001	Max 0.002	APHA 23rd Edition Chloroform Extraction Method, 5530 C

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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







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16	Sulphate (as SO4) (mg/l)	7.5	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 CaCO3) (mg/l)	180	Max 200	Max 600	IS 3025(P-23) 2023; APHA 23rd Edition:2320 B
19	Total Hardness(as CaCO3) (mg/l)	170	Max 200	Max 600	IS 3025 (P-21) 2009; APHA 23rd Edition :2340 C
20	Sodium (as Na) (mg/l)	25		- <b>TT</b>	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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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







Group: Residues and contaminants in water

#### 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

SSample Description: Clear and Colourless Liquid

PART B Limits of IS: 10500 - 2012 Permissible limit in S.No. Parameters Results Test method Requirement absence of alternate (Acceptable limit) source BDL IS 3025(P-57) 2021; 1 Boron as B (mg/l) Max 0.5 Max 2.4 (DL = 0.10)APHA 23rd Edition:4500 B BDL Max 0.05 2 Max 1.5 APHA 23rd Edition 2017-3111 B Copper (as Cu) (mg/l) (DL = 0.02)APHA 23rdEdition 3111B 3 Iron ( as Fe) (mg/l) 0.19 Max 1.0 No relaxation BDL 4 Selenium (as Se) (mg/l) Max 0.01 No relaxation APHA 23rdEdition 2017 3114B (DL = 0.00)BDL 5 Max 15 APHA 23rd Edition 2017-3111B Zinc (as Zn) (mg/l) Max 5 (DL = 0.05)BDL 6 Cadmium (as Cd) (mg/l) Max 0.003 No relaxation APHA 23rd Edition 2017-3111B (DL = 0.02)BDL Max 0.05 7 APHA 23rd Edition:4500 E Cyanide as CN (mg/l) No relaxation (DL = 0.01)BDL 8 Lead (as Pb) (mg/l) Max 0.01 No relaxation APHA 23rd Edition 2017-3111B (DL = 0.01)BDL 9 Mercury (as Hg) (mg/l) Max 0.001 No relaxation APHA 23rdEdition 2017 3114B (DL=0.001) BDL Max 0.02 No relaxation APHA 23rd Edition 2017-3111B 10 Nickel ( as Ni) (mg/l) (DL = 0.02)BDL 0.05 Max 0.01 APHA 23rd Edition 2017-3114B 11 Arsenic (as As) (mg/l) (DL = 0.005)BDL 12 Total Chromium (as Cr) (mg/l) Max 0.05 No relaxation APHA 23rd Edition 2017-3113B (DL = 0.04)BDL APHA 23rd Edition 2017-3114B+ 13 Max 0.1 No relaxation Silver (as Ag) (mg/l) (DL = 0.05)BDL Max 0.1 Max 0.3 APHA 23rd Edition 2017-3111B 14 Manganese (as Mn) (mg/l) (DL = 0.02)



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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/01012025/4223
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

Sample Description: Clear and Colourless Liquid

Group: Residues and contaminants in water

			PART C		
C NI-	Demonstrate	Den li Limits d		10500 - 2012	
S.No.	Parameters	Results	Detection Limit (µgl)	Acceptable Limit (µgl)	Test method
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	Chlorpyriphos (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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ND: Not Detected BDL: Denotes Below Detection Limit DL: Denotes Detection Limit Note:

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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/01012025/4223
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

Disciplin	e: Biological			Group: Water
sample l	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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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	D	
Sample Code given by Customer	Not Mentioned		ETL/01012025/4223
Type of Sample		Report Date.	01.01.2025
	Drinking Water	ULR No.	Not Applicable
Sampling Condition	Satisfactory	Sample Reg No.	
Quantity	5.25 LTR	Date of Sampling	ETL/W/26122024/4223
Sampling Location			25.12.2024
Sample Collected By	M. TTATA AND	Date of Sample Receipt	26.12.2024
Sampling Procedure		Date of Test Performance	27.12.2024 - 01.01.2025
sampling Procedure	As Per Lab SOP	Packing Mode	Plastic Bottle & Glass Bottle

sampl	e Description: Clear and colourless liquid				Group: Wa
			PARTE		
S. No	Parameters	P 1		of IS: 10500 - 2012	
	i di diffeters	Results	Requirement (Acceptable limit)	Permissible limit in absence of alternate source	Test method
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	АРНА 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 0	Chloroform mg/l, Max	Not Detected	0.2	No relaxation	APHA 6232



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Environ Tech Laboratories

Note:

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BDL: Denotes Below Detection Limit DL: Denotes Detection Limit ND: Not Detected The test report refers only to tested sample and applicable parameters.

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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



Group: Water

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		Report Date.	01.01.2025
Type of Sample	The last state of the last sta	ULR No.	TC587924000005100F
Sampling Condition	(1 .1 .0	Sample Reg No.	ETL/W/26122024/4224
Quantity	5 6 5 X 1995	Date of Sampling	25.12.2024
Sampling Location	1977 BR	Date of Sample Receipt	26.12.2024
Sample Collected By	A TETE AND A COMMAND	Date of Test Performance	27.12.2024 - 01.01.2025
Sampling Procedure		Packing Mode	Plastic Bottle & Glass Bottle

#### Discipline: Chemical Sample Description: Clear and Colourless Liquid

	1		PART A		
			Limits of IS:	10500 - 2012	
S.No.	Parameters	(Acceptable limit) absence of alternate source	absence of alternate	Test method	
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 (
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 Cl2 (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 C1 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 CI B
13	Magnesium (as Mg) (mg/l)	6.8	Max 30	Max 100	IS 3025 (Part-46) 2023; APHA23rd Edition :3500Mg B
	Nitrate (as NO3) (mg/l)	2.4	Max 45	No relaxation	IS 3025 (P-34) 1988; APHA23rd Edition:4500 NO3 B
15	Phenolic Compunds (as C6H5OH) (mg/l)	BDL (DL=0.0012ch /	Max 0.001	Max 0.002	APHA 23rd Edition Chloroform Extraction Method, 5530 C

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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



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Saila Khurd, Railway Rd, Hoshiarpur, Punjab -146001

16	Sulphate (as SO4) (mg/l)	13.9	Max 200	Max 400	IS 3025 (P-24) Sec 1:2022; APHA 23rd Edition :4500 SO42 F
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 CaCO3) (mg/l)	220	Max 200	Max 600	IS 3025(P-23) 2023; APHA 23rd Edition:2320 B
19	Total Hardness(as CaCO3) (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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Group: Residues and contaminants in water

#### 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

Sample Description: Clear and Colourless Liquid

PART B Limits of IS: 10500 - 2012 Permissible limit in S.No. Parameters Results Test method Requirement absence of alternate (Acceptable limit) source BDL IS 3025(P-57) 2021; 1 Boron as B (mg/l) Max 0.5 Max 2.4 (DL = 0.10)APHA 23rd Edition:4500 B BDL 2 Max 0.05 APHA 23rd Edition 2017-3111 B Max 1.5 Copper (as Cu) (mg/l) (DL = 0.02)Max 1.0 3 Iron ( as Fe) (mg/l) No relaxation APHA 23rdEdition 3111B 0.13 BDL 4 Selenium (as Se) (mg/l) Max 0.01 No relaxation APHA 23rdEdition 2017 3114B (DL = 0.001)BDL 5 Max 15 Zinc (as Zn) (mg/l) Max 5 APHA 23rd Edition 2017-3111B (DL = 0.05)BDL 6 Max 0.003 No relaxation APHA 23rd Edition 2017-3111B Cadmium (as Cd) (mg/l) (DL = 0.02)BDL 7 Cyanide as CN (mg/l) Max 0.05 No relaxation APHA 23rd Edition:4500 E (DL = 0.01)BDL 8 Max 0.01 No relaxation APHA 23rd Edition 2017-3111B Lead (as Pb) (mg/l) (DL = 0.01)BDL 9 Max 0.001 No relaxation APHA 23rdEdition 2017 3114B Mercury (as Hg) (mg/l) (DL=0.001) BDL APHA 23rd Edition 2017-3111B Max 0.02 No relaxation 10 Nickel ( as Ni) (mg/l) (DL = 0.02)BDL 11 Arsenic (as As) (mg/l) Max 0.01 0.05 APHA 23rd Edition 2017-3114B (DL = 0.005)BDL Max 0.05 No relaxation APHA 23rd Edition 2017-3113B 12 Total Chromium (as Cr) (mg/l) (DL = 0.04)BDL No relaxation APHA 23rd Edition 2017-3114B+ Max 0.1 13 Silver (as Ag) (mg/l) (DL = 0.05)BDL APHA 23rd Edition 2017-3111B Max 0. Max 0.3 14 Manganese (as Mn) (mg/l) (DL = 0.02)



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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/01012025/4224
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

Sample Description: Clear and Colourless Liquid

Group: Residues and contaminants in water

			Limite of IS.	10500 - 2012	
S.No.	Parameters	Results	Detection Limit (µgl)	Acceptable Limit (µgl)	Test method
1	Alachlor (µg/l)	BDL	0.01	20	SOP NO. ETL/Pest/2022/01
2	Atrazine (µg/I)	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	Chlorpyriphos (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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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

PART	D	
Results	Requirement as per IS 10500:2012 (Amendment No. 04-Nov- 2021)	Test method
Not Detected	shall not be detectable in 100ml	IS 15185:2016
Not Detected	shall not be detectable in 100 ml	IS 15185:2016
	Results Not Detected Not Detected	Results     10500:2012 (Amendment No. 04-Nov- 2021)       Not Detected     shall not be detectable in 100ml       Not Detected     shall not be detectable in

\*\*END OF REPORT\*\*



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Technical Manager-I Environ Tech Laboratories

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### 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

Discipl	ine: Chemical				Group: Wate
sample	Description: Clear and colourless liquid				
			PARTE		
			Limits o	fIS: 10500 - 2012	
S. No.	Parameters	Results	Requirement (Acceptable limit)	Permissible limit in absence of alternate source	Test method
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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#### **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
			1410 ·

TEST REPORT

Disciplin	e: Chemical	Group: Pollution & Environment					
Sample l	Sample Description: Yellowish Brown Turbid Liquid with suspended particle						
			and the second se				
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\*\*



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Page 1 of 1

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

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

### **TEST REPORT**

#### **Kuantum Paper Limited**

Saila Khurd, Railway Rd, Hoshiarpur, Punjab -146001

Customer Ref. Number	PO No.4300007804,PO Date 06.12.2024	Report No.	ETL/01012025/4215
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
			2110

1	e: Chemical Description: Yellow coloured liquid with suspended particles	Group: Pollution & Environme	
S.No.	Parameters	Results	Test method
1	pH@25℃	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\*\*



(Authorized Signatory) Technical Manager-I Environ Tech Laboratories

Page 1 of 1

TC-5879

 Note:
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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**



Group: Pollution & Environment

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

Customer Ref. Number	PO No.4300007804,PO Date 06.12.2024	Report No.		
Sample Code given by Customer	Not Monthley 1		ETL/01012025/4219	
Type of Sample	337	Report Date.	01.01.2025	
Sampling Condition		ULR No.	TC587924000005095F	
	Satisfactory	Sample Reg No.	ETL/E/26122024/4219 ·	
Quantity	2.00 LTR	Date of Sampling	25.12.2024	
Sampling Location		Date of Sample Receipt		
Sample Collected By			26.12.2024	
Sampling Procedure	Assessed to COD	Date of Test Performance	26.12.2024 - 01.01.2025	
1 9	This per lab SOF	Packing Mode	Plastic Bottle	

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

S.No. Parameters	Parameters	Results	General Standards for Discharge of Environmental Pollutants			
	ACSU ACSU		Inland surface Water	Public Sewers	Land for Irrigation	Test method
1	рН @ 25°С	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 Biochemical Oxygen Demand	1547	-			IS 3025(P-16) 2023; APHA 23rd Edition:2540C
4	(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
7	Residual sodium carbonate	- 2,5				IS 11624-2019(By calculations)
1	Sodium absorption ratio	2.2	5.88			IS 11624-2019 (By calculations)

\*\*END OF REPORT\*\*



Page 1 of 1

(Authorized Signatory) Technical Manager-I 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/01012025/4210
Sample Code given by Customer	Not Mentioned	Report Date.	ETL/01012025/4219
Type of Sample	Waste Water	ULR No.	01.01.2025
Sampling Condition	Satisfactory	Sample Reg No.	Not Applicable
Quantity	2.00 LTR	Date of Sampling	ETL/E/26122024/4219 25.12.2024
Sampling Location	LITTR C. I	Date of Sample Receipt	25.12.2024
Sample Collected By	Mr. K.K. Mishra & Team	Date of Test Performance	
Sampling Procedure	As per lab SOP	Packing Mode	26.12.2024 - 01.01.2025 Plastic Bottle

	: Chemical Description: Light yellow colo	ured liquid with few suspend	led particles			Group: Pollution & Environment
S.No.	Parameters	Results		Standards for Disc ironmental Pollut		
A10.10000		Results	Inland surface Water	Public Sewers	Land for Irrigation	Test method .
1	AOX , mg/l	1.1		-		Lab SOP

\*\*END OF REPORT\*\*

(Authorized Signatory) Technical Manager-I Environ Tech Laboratories

Page 1 of 1

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

# TC-5879



#### **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

TEST REPORT

Disciplin	ie: Chemical	Group: Atmospheric Pollution		
Sample l	Description: Not Applicable			
				and the second se
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\*\*

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(Authorized Signatory) Technical Manager-II Environ Tech Laboratories

Page 1 of 1

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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





#### **Kuantum Paper Limited**

Saila Khurd, Railway Rd, Hoshiarpur, Punjab -146001

Customer Ref. Number	PO No.4300007804,PO Date 06.12.2024	Report No.	ETL/30122024/4263
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

Disciplin	e: 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\*\*



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Page 1 of 1

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

### 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/30122024/4264
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
			2015

Disciplin	e: Chemical	<b>Group: Atmospheric Pollution</b>		
Sample l	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\*\*

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Page 1 of 1

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

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

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



### TEST REPORT

#### **Kuantum Paper Limited**

Saila Khurd, Railway Rd, Hoshiarpur, Punjab -146001

Customer Ref. Number	PO No.4300007804,PO Date 06.12.2024	Report No.	ETL/30122024/4265
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
			and the second se

Disciplin	e: Chemical			Group: Atmospheric Pollution
Sample l	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\*\*



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Page 1 of 1

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

# TC-5879



#### **Kuantum Paper Limited**

Saila Khurd, Railway Rd, Hoshiarpur, Punjab -146001

Customer Ref. Number	PO No.4300007804,PO Date 06.12.2024	Report No.	ETL/30122024/4266
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
			200

TEST REPORT

Disciplin	e: Chemical			Group: Atmospheric Pollution
Sample I	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\*\*

Romestine Kumer

(Authorized Signatory) Technical Manager-II Environ Tech Laboratories

Page 1 of 1

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

### 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/30122024/4267
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

Disciplin	e: Chemical			Group: Atmospheric Pollution
Sample l	Description: Not Applicable			
				and the second se
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\*\*



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Page 1 of 1

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

# TC-5879



#### **Kuantum Paper Limited**

Saila Khurd, Railway Rd, Hoshiarpur, Punjab -146001

Customer Ref. Number	PO No.4300007804,PO Date 06.12.2024	Report No.	ETL/30122024/4268
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

Disciplin	e: 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\*\*



Romestine Kumer

(Authorized Signatory) Technical Manager-II Environ Tech Laboratories

Page 1 of 1

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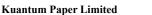
 3. The sample will be destroyed after thirty days from the date of issue of test report unless otherwise specified.



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

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

### TEST REPORT



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
			210.

Discipline	e: Chemical			<b>Group: Atmospheric Pollution</b>
Sample D	Description: Not Applicable			
S.No.	Parameters	Results	Limit As Per Factories Act , 1948	Test method
1	Noise Level (dB(A) Leg)	82.4	97	IS 9989:1981

\*\*END OF REPORT\*\*



Romestine Kumer

(Authorized Signatory) Technical Manager-II Environ Tech Laboratories

Page 1 of 1

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Testing of Water, Waste Water, Soil, Biological Testing; Monitoring of Ambient Air, Stack Emission, Work Zone Monitoring, Noise, Ventilation, LUX & Weather Monitoring Email : environtechlab72@yahoo.com I Website : www.environtechlab.com NOT VALID FOR LEGAL PURPOSE



TC-587



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



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

### TEST REPORT

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

Customer Ref. Number	PO No.4300007804,PO Date 06.12.202	24 Report No	
Sample Code given by Customer	Not Mentioned		ETL/31122024/4272
Type of Sample	Noise Level	Report Date.	31.12.2024
Sampling Condition		ULR No.	Not Applicable
	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	
Sample Collected By	Mr. K.K. Mishra & Team		27.12.2024
Sampling Procedure	As per lab SOP	Date of Test Performance	27.12.2024 - 31.12.2024
0	TAS 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	

PARAMETERS			
	RESULTS	Limits as per CPCB	TEST METHOD
enclosed surface OPEN Leq dB(A)	95.6	Not specified	IS:4758-1968
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
Insertion loss of DG enclosure surface dB(A)	25.2	25.0 (Min)	IS:4758-1968
	Average Noise Levels measured at different points at 1 m from the acoustic enclosed surface CLOSED Leq dB(A)	Average Noise Levels measured at different points from the acoustic enclosed surface OPEN Leq dB(A)     RESULTS       Average Noise Levels measured at different points at 1 m from the acoustic enclosed surface CLOSED Leq dB(A)     95.6       Insertion loss of DG enclosure surface dB(A)     70.4	Average Noise Levels measured at different points from the acoustic enclosed surface OPEN Leq dB(A)     RESULTS     Limits as per CPCB       Average Noise Levels measured at different points at 1 m from the acoustic enclosed surface CLOSED Leq dB(A)     95.6     Not specified       Insertion loss of DG enclosed surface CLOSED Leq dB(A)     70.4     75.0 (Max)

\*\*END OF REPORT\*\*



Ramestusor Kumer

(Authorized Signatory) Technical Manager-II Environ Tech Laboratories

Page 1 of 1

**DL**: Denotes Detection Limit

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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.	
Sample Code given by Customer	Not Monting 1		ETL/31122024/4273
Type of Sample		Report Date.	31.12.2024
Sampling Condition	Noise Level	ULR No.	Not Applicable
	Not Applicable	Sample Reg No.	and the second se
Quantity		Date of Sampling	ETL/A/27122024/4273
Sampling Location			25.12.2024
Sample Collected By	M. T. P. Main and	Date of Sample Receipt	27.12.2024
Sampling Procedure		Date of Test Performance	27.12.2024 - 31.12.2024
pang riocoune	As per lab SOP	Packing Mode	Not Applicable

### Discipline: Chemical

nstrument Used for Sampling	Noise meter	
Source	DG Set - 50 KVA - In Old CRP	
Ingine Make and S. No	Cummins-3003/0800371	
uel Used	06.2008	
uel Used	HSD	

SF.INO.	PARAMETERS	DECLUZIO		
1	Average Noise Levels measured at different points from the acoustic	RESULTS	Limits as per CPCB	TEST METHOD
1	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)	
	Insertion loss of DG enclosure surface dB(A)	1.00000	75.0 (Max)	IS:4758-1968
~	the second by choice surface dB(A)	25.5	25.0 (Min)	IS:4758-1968

\*END OF REPORT\*\*



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Page 1 of 1

DL: Denotes Detection Limit

Note:

3. The

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.



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



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

### TEST REPORT

### Kuantum Paper Limited

Saila Khurd, Railway Rd, Hoshiarpur, Punjab -146001

06.12.2024 Report No. Report Date. ULR No. Sample Reg No.	ETL/31122024/4271 31.12.2024 Not Applicable
ULR No.	Not Applicable
Particular and a second s	
and the second se	ETL/A/27122024/4271
and the second se	25.12.2024 27.12.2024
and a sumple recept	
	27.12.2024 - 31.12.2024 Not Applicable
	Date of Sampling RP Date of Sample Receipt Date of Test Performance Packing Mode

**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	Linde	
1	Average Noise Levels measured at different points from the acoustic enclosed surface OPEN Leg dB(A)	97.3	Limits as per CPCB 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
	Insertion loss of DG enclosure surface dB(A)	25.4	25.0 (Min)	IS:4758-1968

\*\*END OF REPORT\*\*



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Page 1 of 1



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



## TEST REPORT

Kuantum Paper Limited

Saila Khurd, Railway Rd, Hoshiarpur, Punjab -146001

Customer Ref. Number	PO No.4300007804,PO Date 06.12.20	24 Report No	
Sample Code given by Customer	Not Mentioned		ETL/31122024/4270
Type of Sample	Noise Level	Report Date.	31.12.2024
Sampling Condition	Not Applicable	ULR No.	Not Applicable
Quantity	1.00 NOS	Sample Reg No.	ETL/A/27122024/4270
Sampling Location		Date of Sampling	25.12.2024
Sample Collected By	DG Set - 160 KVA - In ClO2 Plant	Date of Sample Receipt	27.12.2024
and the second se	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

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

SF.NO.	PARAMETERS	RESULTS	Tiste concer	
1	Average Noise Levels measured at different points from the acoustic		Limits as per CPCB	TEST METHOD '
	enclosed surface OPEN Leq dB(A) Average Noise Levels measured at different points at 1 m from the	97.0	Not specified	IS:4758-1968
2	acoustic enclosed surface CLOSED Leq dB(A)	71.7	75.0 (Max)	IS:4758-1968
	Insertion loss of DG enclosure surface dB(A)	25.3	25.0 (Min)	
	didates the second second		23.0 (WIIII)	IS:4758-1968

\*\*END OF REPORT\*\*



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Page 1 of 1

 Note:
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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







Group: Water

### Kuantum Paper Limited

Saila Khurd, Railway Rd, Hoshiarpur, Punjab -146001

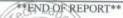
Customer Ref. Number	PO No.4300007804,PO Date 06.12.2024	Report No.	ETL/01012025/4225
Sample Code given by Customer	Not Mentioned	Report Date.	01.01.2025
Type of Sample	Ground Water	ULR No.	TC587924000005101F
Sampling Condition	Satisfactory	Sample Reg No.	ETL/W/26122024/4225
Quantity	2.00 LTR	Date of 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

Note:

Sample Description: Clear and colourless Liquid

			PART A		
			Limits of IS:	: 10500 - 2012	
S.No.	No. Parameters	Parameters Results	Requirement (Acceptable limit)	Permissible limit in absence of alternate source	Test method
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



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Page 1 of 1

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BDL: Denotes Below Detection Limit DL: Denotes Detection Limit

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



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

## TEST REPORT

#### 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

Discipl	ine: Chemical				Group: Wate
Sampl	e Description: Clear and colourless Liqu	aid			Group: wate
			PART B		
			Limits of IS:	10500 - 2012	
S.No.	Parameters	Parameters Results	Requirement (Acceptable limit)	Permissible limit in absence of alternate source	Test method
1	Carbonate as CaCO3 (mg/l)	BDL			IS 3025(P-51) 2023
2	Bicarbonate as HCO3 (mg/l)	329			IS 3025(P-51) 2023
3	Residual sodium carbonate (meq/l)	0.40		**	IS 11624:2019 (By calculations)
4	Sodium absorbtion 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

BDL: Denotes Below Detection Limit DL: Denotes Detection Limit

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

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



### **TEST REPORT**



**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	

	ine: Chemical	13			Group: Wa
Sampl	e Description: Clear and Colourless Liqu	id	PART A		
				10500 - 2012	
S.No.	Parameters	Results	Requirement (Acceptable limit)	Permissible limit in absence of alternate source	Test method
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 och La	-	1771	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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Page 1 of 1

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

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



Group: Water

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		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

	1		PART B		
S.No.			Limits of IS:	10500 - 2012	
	Parameters	Results	Requirement (Acceptable limit)	Permissible limit in absence of alternate source	Test method
1	Carbonate as CaCO3 (mg/l)	BDL			IS 3025(P-51) 2023
2	Bicarbonate as HCO3 (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\*\*



BDL: Denotes Below Detection Limit DL: Denotes Detection Limit

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Page 1 of 1

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





Group: Water

#### 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.	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

TEST REPORT

#### **Discipline:** Chemical

Sample Description: Clear and Colourless Liquid

			PART A		
			Limits of IS:	10500 - 2012	
S.No.	Parameters	Results	Requirement (Acceptable limit)	Permissible limit in absence of alternate source	Test method
1	рН @ 25°С	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 = 0.40) ch	Max 0.5	Max 2.4	APHA 23rd Edition 4500B

\*\*END OF REPORT\*\*

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Note:

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Testing of Water, Waste Water, Soil, Biological Testing; Monitoring of Ambient Air, Stack Emission, Work Zone Monitoring, Noise, Ventilation, LUX & Weather Monitoring Email : environtechlab72@yahoo.com | Website : www.environtechlab.com NOT VALID FOR LEGAL DURDOSE



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



Group: Water

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

**Discipline:** Chemical

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

			PART B		
			Limits of IS:	10500 - 2012	
S.No.	Parameters	Results	Requirement (Acceptable limit)	Permissible limit in absence of alternate source	Test method
1	Carbonate as CaCO3 (mg/l)	BDL			IS 3025(P-51) 2023
2	Bicarbonate as HCO3 (mg/l)	390			IS 3025(P-51) 2023
3	Residual sodium carbonate (meq/l)	2.80			IS 11624:2019 (By calculations)
4	Sodium absorbtion 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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CPCB Recognized under EPA, 1986; ISO 9001:2015; OHSAS ISO 45001:2018

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



TEST REPORT



Group: Water

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		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

			PART A		
	Doromotors		Limits of IS:	10500 - 2012	
S.No.	Parameters	Results	Requirement (Acceptable limit)	Permissible limit in absence of alternate source	Test method
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 CI 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/I)	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		H	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





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

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Environ Tech Laboratories Page 1 of 1



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



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

## **TEST REPORT**

### Kuantum Paper Limited

**Discipline:** Chemical

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		Date of Test Performance	27.12.2024 - 01.01.2025
Sampling Procedure	As per lab SOP	Packing Mode	Plastic Bottle

			PART B		
			Limits of IS:	10500 - 2012	
S.No.	Parameters	Results	Requirement (Acceptable limit)	Permissible limit in absence of alternate source	Test method
1	Carbonate as CaCO3 (mg/l)	BDL			IS 3025(P-51) 2023
2	Bicarbonate as HCO3 (mg/l)	415			
3	Residual sodium carbonate (meq/l)	1.00			IS 3025(P-51) 2023
4	Sodium absorbtion ratio				IS 11624:2019 (By calculations)
	Southin absorbion 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\*\*



(Authorized Signatory) Technical Manager-1 Environ Tech Laboratories

Page 1 of 1

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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



Group: Water

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

Customer Ref. Number	PO No.4300007804,PO Date 06.12.202	4 Report No	THE WILDLE CONTRACT
Sample Code given by Customer	Not Mentioned	Report Date.	ETL/01012025/4229
Type of Sample	Ground Water		01.01.2025
Sampling Condition	Satisfactory	ULR No.	TC587924000005105F
Quantity		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	27.12.2024 - 01.01.2025
	1.0.001	racking Mode	Plastic Bottle

### **Discipline:** Chemical

Sample Description:Clear and colourless liquid

			PART A		
			Limits of IS:	10500 - 2012	
S.No.	Parameters	Results	Requirement (Acceptable limit)	Permissible limit in absence of alternate source	Test method •
1	pH @ 25℃	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) Fluoride as F (mg/l)	9.71	Max 250	Max 1000	IS 3025(P-32) 1988; APHA 23rd Edition:4500 CI B
		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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Testing of Water, Waste Water, Soil, Biological Testing; Monitoring of Ambient Air, Stack Emission, Work Zone Monitoring, Noise, Ventilation, LUX & Weather Monitoring Email : environtechlab72@yahoo.com I Website : www.environtechlab.com NOT VALID FOR LEGAL PURPOSE

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



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

## TEST REPORT

### Kuantum Paper Limited

Saila Khurd, Railway Rd, Hoshiarpur, Punjab -146001

Customer Ref. Number	PO No.4300007804,PO Date 06.12.202	4 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

	line: Chemical				Group: Wate
Sampl	le Description:Clear and colourless liquid	d			Group, wate
	1		PART B		
			Limits of IS:	10500 - 2012	
S.No.		Results	Requirement (Acceptable limit)	Permissible limit in absence of alternate source	Test method
1	Carbonate as CaCO3 (mg/l)	BDL			IS 3025(P-51) 2023
2	Bicarbonate as HCO3 (mg/l)	378			
3	Residual sodium carbonate (meq/l)	1.40			IS 3025(P-51) 2023
4	Sodium absorbtion ratio	1.24			IS 11624:2019 (By calculations)
					IS 11624-2019 By Calculation Method
	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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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**



Group: Water

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		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		Date of Test Performance	27.12.2024 - 01.01.2025
Sampling Procedure		Packing Mode	Plastic Bottle

**Discipline:** Chemical Sample Description: Clear and Colourless Liquid

			PART A		
	Downwortow		Limits of IS:	10500 - 2012	
S.No.	Parameters	Results	Requirement (Acceptable limit)	Permissible limit in absence of alternate source	Test method
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/I)	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
н	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



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Page 1 of 1

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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



Group: Water

### TEST REPORT

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

Customer Ref. Number	PO No.4300007804,PO Date 06.12.2024	Papart Na	
Sample Code given by Customer	Not Manting 1		ETL/01012025/4230
Type of Sample	Carry d West	Report Date.	01.01.2025
Sampling Condition		ULR No.	Not Applicable
	Satisfactory	Sample Reg No.	ETL/W/26122024/4230
Quantity	2.00 LTR	Date of Sampling	25.12.2024
Sampling Location		Date of Sample Receipt	
Sample Collected By	N/ 11/11/11/11/11/11/11/11/11/11/11/11/11		26.12.2024
Sampling Procedure	As any let gop	Date of Test Performance	27.12.2024 - 01.01.2025
	In the particle GOT	Packing Mode	Plastic Bottle

Sample Description: Clear and Colourless Liquid

**Discipline:** Chemical

	1		PART B		
			Limits of IS	: 10500 - 2012	
S.No.	Parameters	Results	Requirement (Acceptable limit)	Permissible limit in absence of alternate source	Test method
1	Carbonate as CaCO3 (mg/l)	BDL			
2	Bicarbonate as HCO3 (mg/l)	354			IS 3025(P-51) 2023
3	Residual sodium carbonate (meq/I)	-0.20	**		IS 3025(P-51) 2023 -
	Sodium absorbtion ratio				IS 11624:2019 (By calculations)
		1.00			IS 11624-2019 By Calculation Method
	Chemical oxygen demand (mg/l)	BDL (DL = 4.00)	-		IS 3025(P-58) 2023;
6	Bio chemical Oxygen Demand (3 days@27°C) (mg/I)	BDL (DL = 2.00)			APHA 23rd Edition:5220B IS 3025 (P-44) 2023; APHA 23rd Edition :5220 B

END OF REPORT\*\*

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Page 1 of 1

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



TC-5879

## TEST REPORT



Group: Water

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

Sample Description: Clear and Colourless Liquid

			PART A		
			Limits of IS:	: 10500 - 2012	
S.No.	Parameters	Results	Requirement (Acceptable limit)	Permissible limit in absence of alternate source	Test method
1	рН @ 25°С	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 CI 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		: <b>H H</b>	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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Environ Tech Laboratories

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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



Group: Water

## 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	No. No. 1	Report Date.		
Type of Sample		ULR No.	01.01.2025	
Sampling Condition	Satisfactory	Sample Reg No.	Not Applicable	
Quantity	A	Date of Sampling	ETL/W/26122024/4231	
Sampling Location	Piezometer No.7. Village Majara	Date of Sample Receipt	25.12.2024 26.12.2024	
Sample Collected By	Mr. K.K. Mishra & Team	Date of Test Performance	27.12.2024 - 01.01.2025	
Sampling Procedure	1. 11.000	Packing Mode	Plastic Bottle	

Sample Description: Clear and Colourless Liquid
---

**Discipline:** Chemical

			PART B		
			Limits of IS: 10500 - 2012		
S.No.	5. 36.381276-661.3	Results	Requirement (Acceptable limit)	Permissible limit in absence of alternate source	Test method
1	Carbonate as CaCO3 (mg/l)	BDL			IS 3025(P-51) 2023
2	Bicarbonate as HCO3 (mg/l)	402			
3	Residual sodium carbonate (meq/l)	1.20			IS 3025(P-51) 2023
	Sodium absorbtion ratio				IS 11624:2019 (By calculations)
-	Socium absorbuon rauo	1.69			IS 11624-2019 By Calculation Method
	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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Page 1 of 1

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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



Group: Water

Kuantum Paper Limited

Saila Khurd, Railway Rd, Hoshiarpur, Punjab -146001

Customer Ref. Number	PO No.4300007804,PO Date 06.12.2024	1 Report No	PTT /01013022/1222
Sample Code given by Customer	Not Mentioned	Report Date.	ETL/01012025/4232
Type of Sample	Ground Water		01.01.2025
Sampling Condition	and a state of the	ULR No.	TC587924000005108F
	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	
		I dening mode	Plastic Bottle

**Discipline:** Chemical Sample Description: Clear and Colourless Liquid

			PART A	1	
			Limits of IS:	10500 - 2012	
S.No.	Parameters	Results	Requirement (Acceptable limit)	Permissible limit in absence of alternate source	Test method
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
3	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
-	Sodium (as Na) (mg/l)	42			IS 3025 (P-45) 1993; APHA 23rd Edition :3500 Na B
-	Potassium (as K) (mg/l)	2.8			IS 3025 (P-45) 1993; APHA 23rd Edition :3500 K B
-	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\*\*

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Technical Manager-I Environ Tech Laboratories

Page 1 of 1

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

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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



Group: Water

### TEST REPORT

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

Customer Ref. Number	PO No.4300007804,PO Date 06.12.2024	d Barred N	
Sample Code given by Customer	Not Mentioned	and a sub-	ETL/01012025/4232
Type of Sample	Commentary and the second seco	Report Date.	01.01.2025
Sampling Condition		ULR No.	Not Applicable
	Satisfactory	Sample Reg No.	ETL/W/26122024/4232
Quantity	2.00 LTR	Date of Sampling	
Sampling Location	Di a bi co ress	Date of Sample Receipt	25.12.2024
Sample Collected By	NA TOTAL NO. 1		26.12.2024
Sampling Procedure	As any lat grop	Date of Test Performance	27.12.2024 - 01.01.2025
	Insperial SOF	Packing Mode	Plastic Bottle

Discipline: Chemical	
Sample Description: Clear and Colourless L	iquid

	1	1	PART B		
	/		Limits of IS	: 10500 - 2012	
S.No.	Turuneurs	Results	Requirement (Acceptable limit)	Permissible limit in absence of alternate	Test method
1	Carbonate as CaCO3 (mg/l)	BDL		source	
2	Bicarbonate as HCO3 (mg/l)	415		**	IS 3025(P-51) 2023
	Residual sodium carbonate (meq/l)				IS 3025(P-51) 2023
	Sodium absorbtion ratio	1.20	**		IS 11624:2019 (By calculations)
		1.09			IS 11624-2019 By Calculation Method
5	Chemical oxygen demand (mg/l)	04			IS 3025(P-58) 2023;
à	Bio chemical Oxygen Demand (3	BDL			APHA 23rd Edition:5220B
6	days@27°C) (mg/l)	(DL = 2.00)	-		IS 3025 (P-44) 2023; APHA 23rd Edition :5220 B

'END OF REPORT\*\*



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Page 1 of 1

BDL: Denotes Below Detection Limit DL: Denotes Detection Limit

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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



Group: Water

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

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

**Discipline:** Chemical Sample Description: Clear and Colourless liquid

		1	PART A		
	Description		Limits of IS:	: 10500 - 2012	
S.No.	Parameters	Results	Requirement (Acceptable limit)	Permissible limit in absence of alternate source	Test method
1	рН @ 25°С	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) Fluoride as F (mg/l)	29.1	Max 250	Max 1000	IS 3025(P-32) 1988; APHA 23rd Edition:4500 Cl B
		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
-	Sodium (as Na) (mg/l)	18		-	IS 3025 (P-45) 1993; APHA 23rd Edition :3500 Na B
-	Potassium (as K) (mg/l)	0.9			IS 3025 (P-45) 1993; APHA 23rd Edition :3500 K B
	Specific conductivity (micromho/cm)	684 BDL			IS 3025(P-14) 2013; APHA 23rd Edition:4500 S F
14	Boron as B (mg/l)	(DL = 0.10)	Max 0.5	Max 2.4	APHA 23rd Edition 4500B



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Page 1 of 1

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

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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 06.12.202	d D	
Sample Code given by Customer	Not Mentioned		ETL/01012025/4233
Type of Sample		Report Date.	01.01.2025
Sampling Condition	Ground Water	ULR No.	Not Applicable
	Satisfactory	Sample Reg No.	
Quantity	2.00 LTR	Date of Sampling	ETL/W/26122024/4233
Sampling Location	Piezometer No.9, Village Saila Kalan	Date of Sample Receipt	25.12.2024
Sample Collected By	A F FF FF A FF A	Date of Sample Receipt	26.12.2024
Sampling Procedure	As per lab SOP	Date of Test Performance	27.12.2024 - 01.01.2025
	1.10 per 100 507	Packing Mode	Plastic Bottle

		1	PART B		
			Limits of IS: 10500 - 2012		
No.	Parameters	Results	Requirement (Acceptable limit)	Permissible limit in absence of alternate	Test method .
1	Carbonate as CaCO3 (mg/l)	BDL		source	
2	Bicarbonate as HCO3 (mg/l)	341			IS 3025(P-51) 2023
3	Residual sodium carbonate (meq/l)	-0.20			IS 3025(P-51) 2023
4	Sodium absorbtion ratio				IS 11624:2019 (By calculations)
		0.46			IS 11624-2019 By Calculation Method
3	Chemical oxygen demand (mg/l)	04		**	IS 3025(P-58) 2023:
6	Bio chemical Oxygen Demand (3 days@27°C) (mg/I)	BDL			APHA 23rd Edition:5220B IS 3025 (P-44) 2023;

\*\*END OF REPORT\*\*

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

Note: BDL: Denotes Below Detection Limit 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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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**



Group: Water

### Kuantum Paper Limited

Saila Khurd, Railway Rd, Hoshiarpur, Punjab -146001

Customer Ref. Number	PO No.4300007804,PO Date 06.12.20	24 0	
Sample Code given by Customer	Not Mentioned		ETL/01012025/4234
Type of Sample		Report Date.	01.01.2025
Sampling Condition	Ground Water	ULR No.	TC587924000005110F
	Satisfactory	Sample Reg No.	
Quantity	2.00 LTR	Date of Sampling	ETL/W/26122024/4234
Sampling Location	Piezometer No. 10, Village - Tutto	Date of Sampling	25.12.2024
	Majara	Date of Sample Receipt	26.12.2024
Sample Collected By	Mr. K.K. Mishra & Team		20.12.2024
Sampling Procedure	As per lab SOP	Date of Test Performance	27.12.2024 - 01.01.2025
	As per lab SOP	Packing Mode	Plastic Bottle

### **Discipline:** Chemical

### Sample Description: Clear and Colourless Liquid

			PART A		
	Parameters		Limits of IS:	10500 - 2012	
S.No.		Results	Requirement (Acceptable limit)	Permissible limit in absence of alternate source	Test method
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) Fluoride as F (mg/l)	19.42	Max 250	Max 1000	IS 3025(P-32) 1988; APHA 23rd Edition:4500.Cl B
		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
8	Nitrate (as NO3) (mg/l)	22.6	Max 45	No relaxation	IS 3025 (P-34) 1988; APHA23rd Edition:4500 NO3 B
	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/I)	320	Max 200	Max 600	IS 3025 (P-21) 2009; APHA 23rd Edition :2340 C
	Sodium (as Na) (mg/l)	48			IS 3025 (P-45) 1993; APHA 23rd Edition :3500 Na B
	Potassium (as K) (mg/I)	4.8			IS 3025 (P-45) 1993; APHA 23rd Edition :3500 K B
-	Specific conductivity (micromho/cm)	798 BDL			IS 3025(P-14) 2013; APHA 23rd Edition:4500 S F
14	Boron as B (mg/l)	(DL = 0.10)	Max 0.5	Max 2.4	APHA 23rd Edition 4500B

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

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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 06.12.202	A Depart No		
Sample Code given by Customer	Not Mentioned		ETL/01012025/4234	
Type of Sample		Report Date.	01.01.2025	
Sampling Condition	Ground Water	ULR No.	Not Applicable	
	Satisfactory	Sample Reg No.	ETL/W/26122024/4234	
Quantity	2.00 LTR	Date of Sampling		
Sampling Location	Piezometer No. 10, Village - Tutto Majara	Date of Sample Receipt	25.12.2024 26.12.2024	
Sample Collected By	Mr. K.K. Mishra & Team	Date of Test Performance		
Sampling Procedure	As per lab SOP		27.12.2024 - 01.01.2025	
	proper tab 301	Packing Mode	Plastic Bottle	

_			PART B		
			Limits of IS:	10500 - 2012	
S.No.	Parameters	Results	Requirement (Acceptable limit)	Permissible limit in absence of alternate source	Test method
1	Carbonate as CaCO3 (mg/l)	BDL			
2	Bicarbonate as HCO3 (mg/l)	439			IS 3025(P-51) 2023
3	Residual sodium carbonate (meq/l)	0.80			IS 3025(P-51) 2023
4	Sodium absorbtion ratio		**		IS 11624:2019 (By calculations)
		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\*\*

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

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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



Group: Water

**Kuantum Paper Limited** 

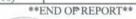
Saila Khurd, Railway Rd, Hoshiarpur, Punjab -146001

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

Sample Description: Clear and Colourless Liquid

			PART A		
			Limits of IS:	10500 - 2012	
S.No.	Parameters	Results	Requirement (Acceptable limit)	Permissible limit in absence of alternate source	Test method
1	рН @ 25℃	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		<b>810</b>	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





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Environ Tech Laboratories Page 1 of

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**Discipline:** Chemical

# **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



Group: Water

## **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	TIME IN CALL STORE
Sample Code given by Customer	Not Mentioned		ETL/01012025/4235
Type of Sample	Ground Water	Report Date.	01.01.2025
Sampling Condition	S . C . C	ULR No.	Not Applicable
	Satisfactory	Sample Reg No.	ETL/W/26122024/4235
Quantity	2.001770	Date of Sampling	25.12.2024
Sampling Location	Piezometer No.11, Village - Gandhowal	Date of Sample Receipt	
Sample Collected By			26.12.2024
Sampling Procedure		Date of Test Performance	27.12.2024 - 01.01.2025
and pung riceedure	As per lab SOP	Packing Mode	Plastic Bottle

Sampl	e Description: Clear and Colourless Liq	uid			Group: Water
	1		PART B		
		Limits of IS		: 10500 - 2012	
S.No.	Parameters	Results	Requirement (Acceptable limit)	Permissible limit in absence of alternate source	Test method
1	Carbonate as CaCO3 (mg/l)	BDL			
2	Bicarbonate as HCO3 (mg/l)	378			IS 3025(P-51) 2023
3	Residual sodium carbonate (meq/l)	0.20			IS 3025(P-51) 2023
4	Sodium absorbtion ratio				IS 11624:2019 (By calculations)*
		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;

\*\*END OF REPORT\*\*

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

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APHA 23rd Edition :5220 B

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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**



Group: Water

**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.	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

Sample Description: Clear and Colourless Liquid

			PART A		
			Limits of IS:	10500 - 2012	
S.No.	Parameters	Results	Requirement (Acceptable limit)	Permissible limit in absence of alternate source	Test method
1	рН @ 25℃	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	-775	-	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)	(DL = 0.10)	Max 0.5	Max 2.4	APHA 23rd Edition 4500B

\*\*END OF REPORT\*\*

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(Authorized Signatory) Technical Manager-I Environ Tech Laboratories

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

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Page 1 of 1



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

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

## **TEST REPORT**

### 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	The second se	Date of Sample Receipt	26.12.2024
Sample Collected By		Date of Test Performance	27.12.2024 - 01.01.2025
Sampling Procedure		Packing Mode	Plastic Bottle

Discipl	ine: Chemical				6 N
Sampl	e Description: Clear and Colourless Liq	uid			Group: Wate
			PART B		
			Limits of IS:	10500 - 2012	
S.No.	Parameters Resu	Results	Requirement (Acceptable limit)	Permissible limit in absence of alternate source	Test method
1	Carbonate as CaCO3 (mg/l)	BDL			IS 3025(P-51) 2023
2	Bicarbonate as HCO3 (mg/l)	390			
3	Residual sodium carbonate (meg/l)	1.00			IS 3025(P-51) 2023
4	Sodium absorbtion ratio	0.95			IS 11624:2019 (By calculations)
1					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

Page 1 of 1

BDL: Denotes Below Detection Limit DL: Denotes Detection Limit

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TEST REPORT

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

Group: Water

### 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.	ETL/01012025/4237
Type of Sample	Ground Water	ULR No.	01.01.2025
Sampling Condition	Satisfactory	Sample Reg No.	TC587924000005113F
Quantity	2.00 LTR	Date of Sampling	ETL/W/26122024/4237
Sampling Location	Piezometer No. 13, Inside Factory	Date of Sample Receipt	25.12.2024
Sample Collected By	Mr. K.K. Mishra & Team	Date of Test Performance	26.12.2024
Sampling Procedure	As per lab SOP	Packing Mode	27.12.2024 - 01.01.2025 Plastic Bottle

**Discipline:** Chemical Sample Description: Clear and Colourless Liquid

	1		PART A		
			Limits of IS:	10500 - 2012	
S.No.	Parameters	Results	Requirement (Acceptable limit)	Permissible limit in absence of alternate source	Test method
1	рН @ 25°С	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
2	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 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
	Sodium (as Na) (mg/l)	40			IS 3025 (P-45) 1993; APHA 23rd Edition :3500 Na B
	Potassium (as K) (mg/l)	1.6		-	IS 3025 (P-45) 1993; APHA 23rd Edition :3500 K B
-	Specific conductivity (micromho/cm)	692		-	IS 3025(P-14) 2013; APHA 23rd Edition:4500 S F
14	Boron as B (mg/l)	BDL = 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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**Discipline:** Chemical

# **Environ Tech Laboratories**

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

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



## TEST REPORT

#### **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		Report Date.	01.01.2025
Type of Sample	G 199	ULR No.	Not Applicable
Sampling Condition		Sample Reg No.	ETL/W/26122024/4237
Quantity	2.001.000	Date of Sampling	25.12.2024
Sampling Location	10 T	Date of Sample Receipt	26.12.2024
Sample Collected By		Date of Test Performance	27.12.2024 - 01.01.2025
Sampling Procedure	a second s	Packing Mode	Plastic Bottle

	1		PART B		
			Limits of IS:	: 10500 - 2012	1
S.No.		Results	Requirement (Acceptable limit)	Permissible limit in absence of alternate source	Test method
1	Carbonate as CaCO3 (mg/l)	BDL			IS 3025(P-51) 2023
2	Bicarbonate as HCO3 (mg/l)	390		44	
3	Residual sodium carbonate (meq/l)	1.00			IS 3025(P-51) 2023
4	Sodium absorbtion ratio	1.06			IS 11624:2019 (By calculations)
					IS 11624-2019 By Calculation Method
	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)		in an	IS 3025 (P-44) 2023; APHA 23rd Edition :5220 B

\*\*END OF REPORT\*\*



(Authorized Signatory) Technical Manager-1 Environ Tech Laboratories

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

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

## **TEST REPORT**



Group: Water

#### **Kuantum Paper Limited**

**Discipline:** Chemical

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 No14, 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	-

			PART A		
			Limits of IS:	: 10500 - 2012	
S.No.	Parameters	Results	Requirement (Acceptable limit)	Permissible limit in absence of alternate source	Test method
1	pH @ 25℃	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 CI 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
п	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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Page 1 of 2

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

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



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

## **TEST REPORT**

#### **Kuantum Paper Limited**

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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/01012025/4238
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 No14, 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

	ine: Chemical				Group: Wate
Sample	Description: Clear and Colourless Liqu	uid			
		(*************************************	PART B		
			Limits of IS:	10500 - 2012	
S.No.	Parameters Results	Results	Requirement (Acceptable limit)	Permissible limit in absence of alternate source	Test method ,
1	Carbonate as CaCO3 (mg/l)	BDL			IS 3025(P-51) 2023
2	Bicarbonate as HCO3 (mg/l)	415			IS 3025(P-51) 2023
3	Residual sodium carbonate (meq/l)	0.60			IS 11624:2019 (By calculations)
4	Sodium absorbtion 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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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



Group: Water

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 Sample Description: Clear and Colourless Liquid

			PART A		
			Limits of IS: 10500 - 2012		
S.No.	Parameters	Results	Requirement (Acceptable limit)	Permissible limit in absence of alternate source	Test method
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 CI B
5	Fluoride as F (mg/I)	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/I)	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 = 0.19)	Max 0.5	Max 2.4	APHA 23rd Edition 4500B

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Page 1 of 2

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

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



Group: Water

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/01012025/4239
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 Sample Description: Clear and Colourless Liquid

	-		PART B		
			Limits of IS:	10500 - 2012	
S.No.	Parameters	Results	Requirement (Acceptable limit)	Permissible limit in absence of alternate source	Test method
1	Carbonate as CaCO3 (mg/l)	BDL			IS 3025(P-51) 2023
2	Bicarbonate as HCO3 (mg/l)	378			IS 3025(P-51) 2023
3	Residual sodium carbonate (meq/l)	0.20			IS 11624:2019 (By calculations)
4	Sodium absorbtion 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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CPCB Recognized under EPA, 1986; ISO 9001:2015; OHSAS ISO 45001:2018

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



### TEST REPORT



Group: Water

**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 Sample Description: Clear and Colourless Liquid

			PART A		
		Results	Limits of IS:	: 10500 - 2012	Test method
S.No.	Parameters		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	-	40 M	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



BDL: Denotes Below Detection Limit DL: Denotes Detection Limit

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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

Discipline: Chemical

Saila Khurd, Railway Rd, Hoshiarpur, Punjab -146001

Customer Ref. Number	PO No.4300007804,PO Date 06.12.20	24 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	-

the second s					Group: Water
Sampl	le Description: Clear and Colourless Liqu	uid			
			PART B		
	. Parameters		Limits of IS: 10500 - 2012		
S.No.		Results	Requirement (Acceptable limit)	Permissible limit in absence of alternate source	Test method
1	Carbonate as CaCO3 (mg/l)	BDL			IS 3025(P-51) 2023
2	Bicarbonate as HCO3 (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	0.82			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
	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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Note: BDL: Denotes Below Detection Limit DL: Denotes Detection Limit

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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



Group: Water

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

PO No.4300007804 PO Date 06 12 2024	I Report No	
		ETL/01012025/4241
		01.01.2025
	ULR No.	TC587924000005117F
Satisfactory	Sample Reg No.	ETL/W/26122024/4241
2.00 LTR	Date of Sampling	
Piezometer No. 17, Village Kutti Paddi	and the second se	25.12.2024
14 11 11 1 1 1 1		26.12.2024
		27.12.2024 - 01.01.2025
As per lab SOP	Packing Mode	Plastic Bottle
	Not Mentioned Ground Water Satisfactory 2.00 LTR Piezometer No. 17, Village Kutti Paddi Mr. K.K. Mishra & Team	Ground Water       ULR No.         Satisfactory       Sample Reg No.         2.00 LTR       Date of Sampling         Piezometer No. 17, Village Kutti Paddi       Date of Sample Receipt         Mr. K.K. Mishra & Team       Date of Test Performance

**Discipline:** Chemical Sample Description: Clear and Colourless Liquid

			PART A		
S.No.	Parameters	Results	Limits of IS: 10500 - 2012		
			Requirement (Acceptable limit)	Permissible limit in absence of alternate source	Test method
1	рН @ 25°С	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) Fluoride as F (mg/l)	29.1	Max 250	Max 1000	IS 3025(P-32) 1988; APHA 23rd Edition:4500 Cl B
1.00		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
	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
-	Total Hardness(as CaCO3) (mg/I)	270	Max 200	Max 600	IS 3025 (P-21) 2009; APHA 23rd Edition :2340 C
	Sodium (as Na) (mg/l)	30			IS 3025 (P-45) 1993; APHA 23rd Edition :3500 Na B
	Potassium (as K) (mg/l)	1.6			IS 3025 (P-45) 1993; APHA 23rd Edition :3500 K B
	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\*\*

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

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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



IS 3025(P-58) 2023;

APHA 23rd Edition:5220B

IS 3025 (P-44) 2023;

APHA 23rd Edition :5220 B

### TEST REPORT

### Kuantum Paper Limited

Saila Khurd, Railway Rd, Hoshiarpur, Punjab -146001

Bio chemical Oxygen Demand (3

days@27°C) (mg/l)

6

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

Sample	e Description: Clear and Colourless Liq	uid			Group: Wate
			PART B		
		Limits of IS:		10500 - 2012	
S.No.	Parameters	Results	Requirement (Acceptable limit)	Permissible limit in absence of alternate	Test method
1	Carbonate as CaCO3 (mg/l)	BDL		source	
2	Bicarbonate as HCO3 (mg/l)	354	**		IS 3025(P-51) 2023
3	Residual sodium carbonate (meq/l)	0.40			IS 3025(P-51) 2023
4	Sodium absorbtion ratio				IS 11624:2019 (By calculations)
		0.79			IS 11624-2019 By Calculation Method
Э	Chemical oxygen demand (mg/I)	BDL			IS 3025(P-58) 2023

(DL = 4.00)

BDL

(DL = 2.00)

\*\*END OF REPORT\*\*

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

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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



Group: Water

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

Customer Ref. Number	PO No.4300007804,PO Date 06.12.2024	Papart No	
Sample Code given by Customer	Not Mentioned	1. The second seco	ETL/01012025/4242
Type of Sample	Ground Water	Report Date.	01.01.2025
Sampling Condition		ULR No.	TC587924000005118F
Quantity	Satisfactory	Sample Reg No.	ETL/W/26122024/4242
	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		Date of Test Performance	27.12.2024 - 01.01.2025
Sampling Procedure	As see 1-1 COD	Packing Mode	
		r dording mode	Plastic Bottle

**Discipline:** Chemical Sample Description: Clear and Colourless Liquid

	1		PART A		
			Limits of IS:	10500 - 2012	
S.No.	Parameters	Results	Requirement (Acceptable limit)	Permissible limit in absence of alternate source	Test method
1	рН @ 25°С	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) Fluoride as F (mg/l)	9.71	Max 250	Max 1000	IS 3025(P-32) 1988; APHA 23rd Edition:4500 CI B
		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
	Sodium (as Na) (mg/l)	30		: <del></del>	IS 3025 (P-45) 1993; APHA 23rd Edition :3500 Na B
	Potassium (as K) (mg/l)	1.6			IS 3025 (P-45) 1993; APHA 23rd Edition :3500 K B
-	Specific conductivity (micromho/cm)	631 BDL			IS 3025(P-14) 2013; APHA 23rd Edition:4500 S F
14	Boron as B (mg/l)	(DL = 0.10)	Max 0.5	Max 2.4	APHA 23rd Edition 4500B





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Page 1 of 1

Note: BDL: Denotes Below Detection Limit DL: Denotes Detection Limit 3

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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



Group: Water

## TEST REPORT

### Kuantum Paper Limited

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Saila Khurd, Railway Rd, Hoshiarpur, Punjab -146001

Customer Ref. Number	PO No.4300007804,PO Date 06.12.202		
Sample Code given by Customer	Not Mentioned		ETL/01012025/4242
Type of Sample		Report Date.	01.01.2025
	Ground Water	ULR No.	
Sampling Condition	Satisfactory	Sample Reg No.	Not Applicable
Quantity	2.00 LTR		ETL/W/26122024/4242
Sampling Location	Piezomete No.18, Village Possi	Date of Sampling	25.12.2024
Sample Collected By	Ne Ville Market No. 18, Village Possi	Date of Sample Receipt	26,12,2024
Sampling Procedure	Mr. K.K. Mishra & Team	Date of Test Performance	
Sampling Procedure	As per lab SOP	Packing Mode	27.12.2024 - 01.01.2025
		I werking would	Plastic Bottle
Discipline: Chemical			

Sample Description: Clear and Colourless liquid

	1	T	PART B		
CAL			Limits of IS	: 10500 - 2012	1
S.No.	T at an elects	Results	Requirement (Acceptable limit)	Permissible limit in absence of alternate	Test method
1	Carbonate as CaCO3 (mg/l)	BDL		source	
2	Bicarbonate as HCO3 (mg/l)	378			IS 3025(P-51) 2023
3	Residual sodium carbonate (meq/l)				IS 3025(P-51) 2023
4	Sodium absorbtion ratio	1.00			IS 11624:2019 (By calculations)
		0.81	**		IS 11624-2019 By Calculation Method
	Chemical oxygen demand (mg/l)	BDL (DL = 4.00)			IS 3025(P-58) 2023:
6	Bio chemical Oxygen Demand (3	BDL	+		APHA 23rd Edition:5220B
	days@27°C) (mg/l)	(DL = 2.00)	*END OF REPORT**	-	IS 3025 (P-44) 2023; APHA 23rd Edition :5220 B

ND OF REPORT\*\*



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

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

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Plot No. C-101, Industrial Area, Phase -VII, Sector-73, Mohali, Punjab- 160059 Mob. 9464000081, 9417220081, 9417210081, (0) 94630-00081, 0172-4630081 GSTIN: 03BPEPS9693P1ZV, PAN No. BPEPS9693P







Group: Atmospheric Pollution

### Kuantum Paper Limited

Saila Khurd, Railway Rd, Hoshiarpur, Punjab -146001

Customer Ref. Number	PO No.4300007804, PO Date 05.12.2024	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

TEST REPORT

### **Discipline:** Chemical

	TECHNI	ICAL DATA	
Instrument Used for Sampling		Stack Monitoring Instrument	
Source of Emission		Stack Attached to Power Boiler-4(60	TPH)
Engine S. No	#7	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 (Nm3/Hr)	66930

Sr.No.	PARAMETERS	RESULTS	Limits as per CPCB	TEST METHOD
1	Particulate Matter(at 12% CO2),mg/Nm3	27.4	150	IS11255(P-1) 1985
2	Sulphur Dioxide as SO2,mg/Nm3	60.6	Not Specified	IS 11255 (P-2) 1985
3	Oxides of nitrogen Nox (as NO2),mg/Nm3	92.5	Not Specified	IS 11255 (P-7) 2005
4	Carbon Dioxide as CO2,%	12	Not Specified	IS:13270-1992
6	Oxygen as O2,%	8,8	Not Specified	IS 13270-1992

\*\*END OF REPORT\*\*



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**DL:** Denotes Detection Limit

The test report rolers only to used sample and applicable parameters.
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## 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/31122024/4250
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

TC-5879

		TECHNIC	AL DATA			
Instrument	Used for Sampling		Stack Monitoring h	strument		
Source of E	mission		Stack Attached to P	ower Boiler-5 (130	TPH)	
Engine S. N	lo		Model Name		-	
Mfg, Year			Type of Fuel Used		Rice Husk	& Coal
Diameter ()	f Stack (mtr)	Bottom-2.75, Top-2.20	Fuel Used Qty. (Per Hour)			
Stack Height from Ground Level (mtr) 80		80	Type Of Stack		Circular & RCC	
	Ambient Temperature °C 25		Average Flow Rate (LPM)		21	
stack Temp	crature "C	108	Sampling Duration	(min)	48	
locity of	Flue Gases (m/s)	6.26	Control Measure (il	any)	ESP	
		Sampling done from port hole of stack	Volumetric low rate (Nm3/Hr)		58547	
Sr.No.	PARAMETERS	PARAMETERS Particulate Matter(at 12% CO2),mg/Nm <sup>3</sup>		Limits as per	CPCB	TEST METHOD
1	Particulate Matter(at 12%)			150		IS11255(P-1) 1985
2	Sulphur Dioxide as SO2,m	e/Nm <sup>3</sup>	70.3	Not Speci	fied	IS 11255 (P-2) 1985

SENO.	PARAMETERS	RESULTS.	Limits as per CPCB	TEST METHOD
1	Particulate Matter(at 12% CO2),mg/Nm3	26.3	150	IS11255(P-1) 1985
2	Sulphur Dioxide as SO2,mg/Nm3	70.3	Not Specified	IS 11255 (P-2) 1985
3	Oxides of nitrogen Nox (as NO2),mg/Nm3	96.5	Not Specified	IS 11255 (P-7) 2005
4	Carbon Dioxide as CO2,%	12.2	Not Specified	IS:13270-1992
6	Oxygen as O2,%	8,2	Not Specified	IS 13270-1992
		a broad brand, and and an another and the ball of a		

\*\*END OF REPORT\*\*



Ramesture Kumer

(Authorized Signatory) Technical Manager-II Environ Tech Laboratories

**DL**a Donotes Detection Limit

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Plot No. C-101, Industrial Area, Phase -VII, Sector-73, Mohali, Punjab- 160059 Mob. 9464000081, 9417220081, 9417210081, (0) 94630-00081, 0172-4630081 GSTIN: 038PEPS9693P1ZV, PAN No. BPEPS9693P





#### 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.	TC587924000005127F
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

TEST REPORT

### Discipline: Chemical

Group: Atmospheric Pollution

	TECHNIC	AL DATA	
Instrument Used for Sampling		Stack Monitoring Instrument	
Source of Emission		Stack Attached to Recovery Boiler-C	Nd (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 (Nm3/Hr)	75302

Sr.No.	PARAMETERS	RESULTS	Limits as per CPCB	TEST METHOD
1	Particulate Matter(at 12% CO2),mg/Nm3	29.8	150	IS11255(P-1) 1985
2	Sulphur Dioxide as SO2,mg/Nm3	53.1	Not Specified	IS 11255 (P-2) 1985
3	Oxides of nitrogen Nox (as NO2),mg/Nm3	78.3	Not Specified	IS 11255 (P-7) 2005
4	Carbon Dioxide as CO2,%	11.4	Not Specified	IS:13270-1992
6	Oxygen as O2,%	9.6	Not Specified	IS 13270-1992

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



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Page 1 of 1

**DL:** Denotes Detection Limit The test report rolers only to tested sample and applicable parameters.
 This report can notified be used in evidence in the court of law nor can it be used in part or full in any media without prior parmission.
 The sample will be instanyed after thirty days from the date of issue of test report unless otherwise specified.

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, (0) 94630-00081, 0172-4630081 GSTIN: 038PEPS9693P1ZV, PAN No. 8PEPS9693P





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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/31122024/4248
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

TEST REPORT

### Discipline: Chemical

Group: Atmospheric Pollution

	TECHNI	CAL DATA	
Instrument Used for Sampling		Stack Monitoring Instrument	
Source of Emission		Stack Attached to Recovery Boiler N	vew (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 (Nm3/Hr)	101725

Sr.No.	PARAMETERS	RESULTS	Limits as per CPCB	TEST METHOD
1	Particulate Matter(at 12% CO2),mg/Nm3	27.3	150	IS11255(P-1) 1985
2	Sulphur Dioxide as SO2,mg/Nm <sup>3</sup>	44.3	Not Specified	IS 11255 (P-2) 1985
3	Oxides of nitrogen Nox (as NO2),mg/Nm <sup>3</sup>	97.7	Not Specified	IS 11255 (P-7) 2005
4	Carbon Dioxide as CO2,%	10.6	Not Specified	IS:13270-1992
6	Oxygen as O2,%	9.0	Not Specified	IS 13270-1992

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



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(Authorized Signatory) Technical Manager-II Environ Tech Laboratories

 Note:
 DL: Denotes Delection Lond

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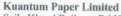
 3. The sample will be destroyed after thirty days from the date of issue of test roport index otherwise specified.

Page 1 of 1

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

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

### **TEST REPORT**



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

	TECHNIC	CAL 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 Leve I(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 (Nm3/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 SO2) g/kW-hr	BDL	Not Specified	IS 11255 (P-2) 1985
3	Oxides of nitrogen, Nox ( as NO2) g/kW-hr	0.41	< 4.7**	IS 11255 (P-7) 2005

#### OF REPORT



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Page 1 of 1

BDL: Denotes Below Detection Limit DL: Denotes Detection Limit

The test report refers only to tested asample and applicable parameters.
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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 06.12.20	24 Papart Na	And the control of th
Sample Code given by Customer	Not Mentioned	and the second se	ETL/31122024/4276
Type of Sample	Stack Emission	Report Date.	31.12.2024
Sampling Condition	Satisfactory	ULR No.	Not Applicable
Quantity		Sample Reg No.	ETL/A/27122024/4276
Sampling Location	1.00 NOS	Date of Sampling	25.12.2024
	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
			In made Bothe & Alf Light Bag

Instrument Lload for Samuel	TECHNIC	CAL DATA		
Instrument Used for Sampling		Stack Monitoring Inst	rument	
Source of Emission		Stack Attached to DG	Set - 30 KVA - In Admin Block	
Engine S. No	2103B06392	Model Name		
Mfg. Year	23.03.2021	Type of Fuel Used	Cummins	
Diameter Of Stack (mtr.)	0.0762	Fuel Used Qty. (Per H	HSD	
Stack Height from Ground Leve l(mtr.)	3.048			
Ambient Temperature °C	25	Type Of Stack	Circular& Metal	
Stack Temperature °C	97	Average Flow Rate (L		
velocity of Flue Gases (m/s)	8.20	Sampling Duration (m		
Sampling Point	and the second	Control Measure (if an	y)	
sampling i onit	Sampling done from port hole of stack	Volumetric flow rate (?	Nm3/Hr) 107	

	A A A A A A A A A A A A A A A A A A A	RESULTS	Limits as per CPCB	and the second s
1	Carbon Monoxide, as CO g/kW-hr		Linnis as per CPCB	TEST METHOD
-	Total Hydrocarbon as HC g/kW-hr	0.48	≤ 3.5	IS 13270-1992
-		0.13	**	Lab SOP
	**Standard Limit of (Nox+HC)=<4.7			Lao SOP

\*\*END OF REPORT\*\*

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

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

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(Authorized Signatory) Technical Manager-II Environ Tech Laboratories

Page 1 of 1



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



### TEST REPORT



### Kuantum Paper Limited

Saila Khurd, Railway Rd, Hoshiarpur, Punjab -146001

Customer Ref. Number	PO No.4300007804,PO Date 06.12.2024	D IN		
Sample Code given by Customer	Not Mentioned		ETL/31122024/4277	
Type of Sample		Report Date.	31.12.2024	
Sampling Condition		ULR No.	TC587924000005149F	
Quantity	Satisfactory	Sample Reg No.	ETL/A/27122024/4277	
and the second design of the s	1.00 NOS	Date of Sampling	25.12.2024	
Sampling Location	DC C + CO TETH > C++	Date of Sample Receipt		
Sample Collected By	M TOTAL AND A STATE	Date of Test Performance	27.12.2024	
Sampling Procedure	As non lab COD		27.12.2024 - 31.12.2024	
	4.000 F.000 07 07 07 0	Packing Mode	Plastic Bottle & Air Tight Bag	

**Discipline:** Chemical

Group: Atmospheric Pollution

Instrument Used for Sampling		Stack Monitoring Instrument		
Source of Emission		Stack Attached to DG Set - 50 KVA		_
Engine S. No	. No 3003/0800371		- In Old CRP	
Mfg. Year	06.2008	Model Name	Cummins	
Diameter Of Stack (mtr.)	0.0762	Type of Fuel Used	HSD	
Stack Height from Ground Level (mtr.)	4.58	Fuel Used Qty. (Per Hour)	4-6 1/hr	
Ambient Temperature °C		Type Of Stack	Circular& Metal	
Stack Temperature °C	25	Average Flow Rate (LPM)	28	
Velocity of Flue Gases (m/s)	84	Sampling Duration (min)	36	
	1.11	Control Measure (if any)		
Sampling Point	Sampling done from port hole of stack	Volumetric flow rate (Nm3/Hr)	105	

10111 TU-	I ANAIVIL I EKS	DICOLUTION		1
1	Particulate Matter, as PM g/kW-hr	RESULTS	Limits as per CPCB	TEST METHOD
		0.11	≤ 0.3	IS11255(P-1) 1985
	Sulphur Dioxide (as SO2) g/kW-hr	BDL	Not Specified	
3	Oxides of nitrogen, Nox ( as NO2) g/kW-hr			IS 11255 (P-2) 1985
		0.38	≤ 4.7**	IS 11255 (P-7) 2005

### END OF REPORT\*\*

BDL: Denotes Below Detection Limit DL: Denotes Detection Limit

A Multi Danies Derov Detection Lanti DL: Denotes Detection Lanti
 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.
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(Authorized Signatory) Technical Manager-II Environ Tech Laboratories

Page 1 of 1



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



## TEST REPORT

### Kuantum Paper Limited

Saila Khurd, Railway Rd, Hoshiarpur, Punjab -146001

Customer Ref. Number	PO No.4300007804,PO Date 06.12.2	2024 0	
Sample Code given by Customer	Not Mentioned		ETL/31122024/4277
Type of Sample		Report Date.	31.12.2024
Sampling Condition	Stack Emission	ULR No.	Not Applicable
	Satisfactory	Sample Reg No.	
Quantity	1.00 NOS	Date of Sampling	ETL/A/27122024/4277
Sampling Location	DG Set - 50 KVA - In Old CRP	Date of Sample Receipt	25.12.2024
Sample Collected By	Mr. K.K. Mishra & Team		27.12.2024
Sampling Procedure	As per lab SOP	Date of Test Performance	27.12.2024 - 31.12.2024
	I so per nuo 001	Packing Mode	Plastic Bottle & Air Tight Bag

Inclusion and I to d.C. and	TECHNI	CAL DATA	
Instrument Used for Sampling Source of Emission		Stack Monitoring Instrument	
Engine C. M.		Stack Attached to DG Set - 50 KVA	In Old CBB
Engine S. No Mfg. Year	3003/0800371	Model Name	Cummins
	06.2008	Type of Fuel Used	HSD
Diameter Of Stack (mtr.)	0.0762	Fuel Used Qty. (Per Hour)	4-6 1/hr
Stack Height from Ground Level (mtr.)	4.58	Type Of Stack	
Ambient Temperature °C	25	Average Flow Rate (LPM)	Circular& Metal
Stack Temperature °C	84	Sampling Duration (min)	20
Velocity of Flue Gases (m/s)	7.77	Control Measure (if any)	30
Sampling Point	Sampling done from port hole of stack	Volumetric flow rate (Nm3/Hr)	105

Sr.No.	PARAMETERS			
		RESULTS	Limits as per CPCB	TEST METHOD
	Carbon Monoxide, as CO g/kW-hr	0.45	< 3.5	IS 13270-1992
	Total Hydrocarbon as HC g/kW-hr	0.14	**	
	**Standard Limit of (Nox+HC)=<4.7			Lab SOP

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



(Authorized Signatory)

Technical Manager-II Environ Tech Laboratories

Romestier Kumer

BDL: Denotes Below Detection Limit DL: Denotes Detection Limit

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

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



### TEST REPORT



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.	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

	TECHNIC	AL 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 (Nm3/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 SO2) g/kW-hr	BDL	Not Specified	IS 11255 (P-2) 1985
3	Oxides of Nitrogen, Nox (as NO2) g/kW-hr	0.37	≤ 4.0**	IS 11255 (P-7) 2005

#### END OF REPORT



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(Authorized Signatory) Technical Manager-II Environ Tech Laboratories

Page 1 of 1



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



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

### TEST REPORT

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

Customer Ref. Number	PO No.4300007804,PO Date 06.12.2024	Percent No	
Sample Code given by Customer	Not Mentioned		ETL/31122024/4274
Type of Sample	Stack Emission	Report Date.	31.12.2024
Sampling Condition		ULR No.	Not Applicable
Quantity	Satisfactory	Sample Reg No.	ETL/A/27122024/4274
	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		Date of Test Performance	
Sampling Procedure	As per lab SOP		27.12.2024 - 31.12.2024
		Packing Mode	Plastic Bottle & Air Tight Bag

		TECHNIC	ALDATA			
	Used for Sampling		Stack Monitoring In	etrumant		
Source of E	ource of Emission		Stack Attached to D	G Set 160 KILL		
Engine S. N	10	84913143	Stack Attached to DG Set - 160 KVA - Model Name		VA - In New CRP	
Mfg. Year		13.01.2020			Cummins	
Diameter O	f Stack (mtr)	0.1016	Type of Fuel Used		HSD	
	nt from Ground Level (mtr)	7.62	Fuel Used Qty. (Per Hour)		15-20 l/hr	
Ambient Te	mperature °C		Type Of Stack		Circular& Metal	
Stack Temp		25	Average Flow Rate	(LPM)	24	
		185	Sampling Duration (	min)	41	
	Flue Gases (m/s)	8.7	Control Measure (if	any)		
Sampling Po	oint	Sampling done from port hole of stack	Volumetric flow rate		164	
				(	1.04	
Sr.No.	PARAMETERS		RESULTS	Limits as per	CDCD	THE PLAN A AND A AND AND A AND AND A
1	Carbon Manarit - 00	1.17.1	THEODETD	Lumins as per	CPCB	TEST METHOD

		RESULTS	imits on non (TDCTD)	Canadia and and a second second
1	Carbon Monoxide, as CO g/kW-hr		Limits as per CPCB	TEST METHOD
		0.40	≤ 3.5	IS 13270-1992
2	Total Hydrocarbon as HC g/kW-hr	0.14	. **	
	**Standard Limit of (Nox+HC)=<4.0			Lab SOP

\*\*END OF REPORT\*\*



Ramestur Kumer

(Authorized Signatory) Technical Manager-II Environ Tech Laboratories

Note:

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

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



TEST REPORT



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 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

**Discipline:** Chemical

Group: Atmospheric Pollution

	TECHN	ICAL 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 (Nm3/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 SO2) g/kW-hr	BDL	Not Specified	IS 11255 (P-2) 1985
3	Oxides of Nitrogen, Nox (as NO2) g/kW-hr	0.42	$\leq 4.0^{**}$	IS 11255 (P-7) 2005

\*\*END OF REPORT\*\*



Romestwoor Kumer

(Authorized Signatory) Technical Manager-II Environ Tech Laboratories

Page 1 of 1

Note:

BDL: Denotes Below Detection Limit DL: Denotes Detection Limit

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



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

## **TEST REPORT**

### Kuantum Paper Limited

Saila Khurd, Railway Rd, Hoshiarpur, Punjab -146001

Customer Ref. Number	PO No.4300007804,PO Date 06.12.202	A Bonnet N	
Sample Code given by Customer	Not Mentioned		ETL/31122024/4275
Type of Sample		Report Date.	31.12.2024
Sampling Condition	Stack Emission	ULR No.	Not Applicable
	Satisfactory	Sample Reg No.	ETL/A/27122024/4275
Quantity	1.00 NOS	Date of Sampling	
Sampling Location	DG Set - 160 KVA - In ClO2 Plant	Date of Sample Receipt	25.12.2024
Sample Collected By	Mr. K.K. Mishra & Team		27.12.2024
Sampling Procedure	As per lab SOP	Date of Test Performance	27.12.2024 - 31.12.2024
	propertable of	Packing Mode	Plastic Bottle & Air Tight Bag

	TECHN	ICAL 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	
Mfg. Year	13.07.2018	Type of Fuel Used	Cummins
Diameter Of Stack (mtr)	0.1016		HSD
Stack Height from Ground Level (mtr)	7.62	Fuel Used Qty. (Per Hour)	11-15 l/hr
Ambient Temperature °C	25	Type Of Stack	Circular& Metal
Stack Temperature °C	110	Average Flow Rate (LPM)	27
Velocity of Flue Gases (m/s)		Sampling Duration (min)	37
Sampling Point	7.97	Control Measure (if any)	
Samping ronn	Sampling done from port hole of stack	Volumetric flow rate (Nm3/Hr)	179

RESULTS	Limits as per CPCB	TEST METHOD
0.48	≤ 3.5	IS 13270-1992
0.16	**	Lab SOP
	0.48	0.48 ≤ 3.5

\*\*END OF REPORT\*\*



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

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Ramestwar Kumer

(Authorized Signatory) Technical Manager-II Environ Tech Laboratories

Page 1 of 1



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

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

## TEST REPORT

### **Kuantum Paper Limited**

Saila Khurd, Railway Rd, Hoshiarpur, Punjab -146001

Customer Ref. Number	PO No.4300007804,PO Date 06.12.2024	Report No.	ETL/30122024/4252
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
			2410.4

**Discipline:** Chemical

**Group: Atmospheric Pollution** 

TC-5879

	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 SO2,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 NO2,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\*\*



Romestine Kumer

(Authorized Signatory) Technical Manager-II Environ Tech Laboratories

Page 1 of 1

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

## 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/30122024/4253
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
			2005

Disciplin	e: Chemical		Group: Atmospheric Pollution
		TECHNICAL DATA	
1	Instrument Used for Sampling	Handy Sampler	and the second se
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
	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 SO2,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 NO2,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\*\*



Romestine Kumer

TC-587

(Authorized Signatory) Technical Manager-II Environ Tech Laboratories

Page 1 of 1

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

### 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
	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 SO2,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 NO2,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\*\*



Romestine Kumer

(Authorized Signatory) Technical Manager-II Environ Tech Laboratories

Page 1 of 1

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

## 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/30122024/4255
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
	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 SO2,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 NO2,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\*\*



Romestine Kumer

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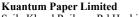
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Plot No. C-101, Industrial Area, Phase -VII, Sector-73, Mohali, Punjab- 160059 Mob. 9464000081, 9417220081, 9417210081, (O) 94630-00081, 0172-4630081 GSTIN: 03BPEPS9693P1ZV, PAN No. BPEPS9693P

## TEST REPORT



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
			141 C.

Discipline	e: Chemical		Group: Atmospheric Pollution			
	TECHNICAL DATA					
1	Instrument Used for Sampling	Handy Sampler	and the second se			
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
	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 SO2,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 NO2,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\*\*



Romestine Kumer

(Authorized Signatory) Technical Manager-II Environ Tech Laboratories

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Page 1 of 1





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

## 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/30122024/4257
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
			741 C.

**Discipline:** Chemical

**Group: Atmospheric Pollution** 

TC-5879

	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 SO2,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 NO2,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\*\*



Romestine Kumer

(Authorized Signatory) Technical Manager-II Environ Tech Laboratories

Page 1 of 1

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## 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/30122024/4258
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
			Nic.

**Discipline:** Chemical

**Group: Atmospheric Pollution** 

TC-587

	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
	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 SO2,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 NO2,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\*\*



Romestine Kumer

(Authorized Signatory) Technical Manager-II Environ Tech Laboratories

Page 1 of 1

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

## 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/30122024/4259
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
			and the second se

**Discipline:** Chemical

**Group: Atmospheric Pollution** 

TC-5879

	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 SO2,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 NO2,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\*\*



Romestine Kumer

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Page 1 of 1

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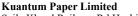
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CPCB Recognized under EPA, 1986; ISO 9001:2015; OHSAS ISO 45001:2018

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

## TEST REPORT



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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/30122024/4260
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
			and the second se

Discipline	e: Chemical		Group: Atmospheric Pollution			
	TECHNICAL DATA					
1	Instrument Used for Sampling	Handy Sampler	and the second se			
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
	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 SO2,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 NO2,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\*\*



Romestine Kumer

(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.

Testing of Water, Waste Water, Soil, Biological Testing; Monitoring of Ambient Air, Stack Emission, Work Zone Monitoring, Noise, Ventilation, LUX & Weather Monitoring Email : environtechlab72@yahoo.com I Website : www.environtechlab.com NOT VALID FOR LEGAL PURPOSE





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

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

## TEST REPORT

### **Kuantum Paper Limited**

Saila Khurd, Railway Rd, Hoshiarpur, Punjab -146001

Customer Ref. Number	PO No.4300007804,PO Date 06.12.2024	Report No.	ETL/30122024/4261
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
			2015

**Discipline:** Chemical

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

Sr.No.	PARAMETERS	RESULTS	LIMIT	TEST METHOD
	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 SO2,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 NO2,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\*\*



Romestine Kumer

TC-5879

**Group: Atmospheric Pollution** 

(Authorized Signatory) Technical Manager-II Environ Tech Laboratories

Page 1 of 1

Note DL: Denotes Detection Limit

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