

LABORATORY TEST REPORT

Date : August 2, 2023 Job Number : GL-1841/VII/2023

Customer :

PT ISPAT INDO

Location :

Medaeng Kulon, Kedungturi, Kec. Taman, Kab, Sidoarjo

Attention :

Mr. Irwan

Date : August 2, 2023 Job Number : GL-1841/VII/2023
PT ISPAT INDO

SAMPLE INFORMATION

Job No. : GL-1841/VII/2023

Customer : PT ISPAT INDO

Quotation/PO No. : 1800/G/Q/XII/2023

No.	Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Sampled By	Coordinates	
1	GL-1841-1	Titik Penaatan 1	Domestic Water Pollution	18-Jul-23	10.00	20-Aug-23	Arifin, Adit	S 07° 21' 16.00"	E 112° 42' 17.00"
2	GL-1841-2	Titik Penaatan 4	Domestic Water Pollution	18-Jul-23	10.15	20-Aug-23	Arifin, Adit	S 07° 21' 19.00"	E 112° 21' 17.00"
3	GL-1841-3	Titik Penaatan 2	Domestic Water Pollution	18-Jul-23	10.30	20-Aug-23	Arifin, Adit	S 07° 21' 41.00"	E 112° 42' 21.00"
4	GL-1841-4	Titik Penaatan 3	Domestic Water Pollution	18-Jul-23	10.45	20-Aug-23	Arifin, Adit	S 07° 21' 19.00"	E 112° 42' 29.00"
5	GL-1841-5	Titik Penaatan 5	Domestic Water Pollution	18-Jul-23	11.00	20-Aug-23	Arifin, Adit	S 07° 21' 21.00"	E 112° 42' 10.00"
6	GL-1841-6	Sumur Pantau 4	Water Supply	18-Jul-23	11.25	20-Aug-23	Arifin, Adit	S 07° 21' 33.46"	E 112° 41' 53.49"
7	GL-1841-7	Sumur Pantau 2	Water Supply	18-Jul-23	11.40	20-Aug-23	Arifin, Adit	S 07° 21' 19.57"	E 112° 45' 58.97"
8	GL-1841-8	Sumur Pantau 1	Water Supply	18-Jul-23	12.00	20-Aug-23	Arifin, Adit	S 07° 21' 33.46"	E 112° 41' 53.49"
9	GL-1841-9	Sumur Pantau 3	Water Supply	18-Jul-23	12.15	20-Aug-23	Arifin, Adit	S 07° 21' 31.06"	E 112° 41' 58.09"

SUMMARY OF TEST RESULT

Job No. : GL-1841/VII/2023
Customer : PT ISPAT INDO
Quotation/PO No. : 1800/G/Q/XII/2023

Laboratory Sample ID : GL-1841-1
Customer Sample ID : Titik Penaatan 1
Date Sampled : 18-Jul-23
Time Sampled : 10.00
Sample Matrix : Domestic Water Pollution
Coordinates : S 07° 21' 16.00" E 112° 42' 17.00"

No.	Test Item	Unit	Test Method	Result	RL	Standard Limit ^{1#}
1	pH	pH	SNI 6989.11:2019	7.35	0.01	6 - 9
2	Biochemical Oxygen Demand, BOD ₅	mg/L	APHA 5210-B 2017	<20.3	20.3	30
3	Chemical Oxygen Demand, COD	mg/L	SNI 6989.73:2019	37	27.1	100
4	Total Suspended Solid, TSS	mg/L	SNI 6989.3:2019	<18	18	30
5	Oil&Grease, OG	mg/L	G-LAB/IK/82	0.401	0.3	5
6	Ammonia, NH ₃ -N	mg/L	SNI 06-6989.30-2005	<0.0981	0.0981	10
7	Total Coliform**	jml/100 mL	APHA 9222 J 2017	2,400	30	3,000

Remarks:

RL = Reporting limit, quantitation limit of analyte in sample

¹SL = Standard limit, regulatory limit or threshold value

= Refer to PerMenLHK No. 68/2016

NA = Not Applicable

** = Not Accredited

(x,x) = (,) As character indicate thousands notation

(x.x) = (.) As character indicate decimal notation

Ambient Temperature = 32.4°C

Note : Test results related from sampling to testing sample

PT. Genau Loka Gantari
 Technical Manager



Dian Nur Kuncoro, S. Si

SUMMARY OF TEST RESULT

Job No. : GL-1841/VII/2023
Customer : PT ISPAT INDO
Quotation/PO No. : 1800/G/Q/XII/2023

Laboratory Sample ID : GL-1841-3
Customer Sample ID : Titik Penaatan 2
Date Sampled : 18-Jul-23
Time Sampled : 10.30
Sample Matrix : Domestic Water Pollution
Coordinates : S 07° 21' 41.00" E 112° 42' 21.00"

No.	Test Item	Unit	Test Method	Result	RL	Standard Limit ^{1#}
1	pH	pH	SNI 6989.11:2019	7.85	0.01	6 - 9
2	Biochemical Oxygen Demand, BOD ₅	mg/L	APHA 5210-B 2017	<20.3	20.3	30
3	Chemical Oxygen Demand, COD	mg/L	SNI 6989.73:2019	29	27.1	100
4	Total Suspended Solid, TSS	mg/L	SNI 6989.3:2019	<18	18	30
5	Oil&Grease, OG	mg/L	G-LAB/IK/82	0.398	0.3	5
6	Ammonia, NH ₃ -N	mg/L	SNI 06-6989.30-2005	0.620	0.0981	10
7	Total Coliform**	jml/100 mL	APHA 9222 J 2017	2,400	30	3,000

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Ambient Temperature = 32.1°C

Note : Test results related from sampling to testing sample



SUMMARY OF TEST RESULT

Job No. : GL-1841/VII/2023
Customer : PT ISPAT INDO
Quotation/PO No. : 1800/G/Q/XII/2023

Laboratory Sample ID : GL-1841-4
Customer Sample ID : Titik Penaatan 3
Date Sampled : 18-Jul-23
Time Sampled : 10.45
Sample Matrix : Domestic Water Pollution
Coordinates : S 07° 21' 19.00" E 112° 42' 29.00"

No.	Test Item	Unit	Test Method	Result	RL	Standard Limit ^{1#}
1	pH	pH	SNI 6989.11:2019	7.36	0.01	6 - 9
2	Biochemical Oxygen Demand, BOD ₅	mg/L	APHA 5210-B 2017	<20.3	20.3	30
3	Chemical Oxygen Demand, COD	mg/L	SNI 6989.73:2019	34	27.1	100
4	Total Suspended Solid, TSS	mg/L	SNI 6989.3:2019	<18	18	30
5	Oil&Grease, OG	mg/L	G-LAB/IK/82	0.403	0.3	5
6	Ammonia, NH ₃ -N	mg/L	SNI 06-6989.30-2005	<0.0981	0.0981	10
7	Total Coliform**	jml/100 mL	APHA 9222 J 2017	200	30	3,000

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Ambient Temperature = 32.2°C



Note : Test results related from sampling to testing sample

SUMMARY OF TEST RESULT

Job No. : GL-1841/VII/2023
Customer : PT ISPAT INDO
Quotation/PO No. : 1800/G/Q/XII/2023

Laboratory Sample ID : GL-1841-2
Customer Sample ID : Titik Penaatan 4
Date Sampled : 18-Jul-23
Time Sampled : 10.15
Sample Matrix : Domestic Water Pollution
Coordinates : S 07° 21' 19.00" E 112° 21' 17.00"

No.	Test Item	Unit	Test Method	Result	RL	Standard Limit ^{1#}
1	pH	pH	SNI 6989.11:2019	7.38	0.01	6 - 9
2	Biochemical Oxygen Demand, BOD ₅	mg/L	APHA 5210-B 2017	<20.3	20.3	30
3	Chemical Oxygen Demand, COD	mg/L	SNI 6989.73:2019	42	27.1	100
4	Total Suspended Solid, TSS	mg/L	SNI 6989.3:2019	<18	18	30
5	Oil&Grease, OG	mg/L	G-LAB/IK/82	0.399	0.3	5
6	Ammonia, NH ₃ -N	mg/L	SNI 06-6989.30-2005	<0.0981	0.0981	10
7	Total Coliform**	jml/100 mL	APHA 9222 J 2017	280	30	3,000

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Ambient Temperature = 32.5°C

Note : Test results related from sampling to testing sample

PT. Genau Loka Gantari
 Technical Manager



Dian Nur Kuncoro, S. Si

SUMMARY OF TEST RESULT

Job No. : GL-1841/VII/2023
Customer : PT ISPAT INDO
Quotation/PO No. : 1800/G/Q/XII/2023

Laboratory Sample ID : GL-1841-5
Customer Sample ID : Titik Penaatan 5
Date Sampled : 18-Jul-23
Time Sampled : 11.00
Sample Matrix : Domestic Water Pollution
Coordinates : S 07° 21' 21.00" E 112° 42' 10.00"

No.	Test Item	Unit	Test Method	Result	RL	Standard Limit ^{1#}
1	pH	pH	SNI 6989.11:2019	7.79	0.01	6 - 9
2	Biochemical Oxygen Demand, BOD ₅	mg/L	APHA 5210-B 2017	<20.3	20.3	30
3	Chemical Oxygen Demand, COD	mg/L	SNI 6989.73:2019	37	27.1	100
4	Total Suspended Solid, TSS	mg/L	SNI 6989.3:2019	<18	18	30
5	Oil&Grease, OG	mg/L	G-LAB/IK/82	0.405	0.3	5
6	Ammonia, NH ₃ -N	mg/L	SNI 06-6989.30-2005	4	0.0981	10
7	Total Coliform**	jml/100 mL	APHA 9222 J 2017	2,400	30	3,000

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Ambient Temperature = 32.7°C

PT. Genau Loka Gantari
Technical Manager



Dian Nur Kuncoro, S. Si

Note : Test results related from sampling to testing sample

PT ISPAT INDO



SAMPLING POINT DOMESTIC WATER POLLUTION

Customer sample ID : Titik Penaatan 1
Coordinates : S 07° 21' 16.00"
: E 112° 42' 17.00"



SAMPLING POINT DOMESTIC WATER POLLUTION

Customer sample ID : Titik Penaatan 4
Coordinates : S 07° 21' 19.00"
: E 112° 21' 17.00"



SAMPLING POINT DOMESTIC WATER POLLUTION

Customer sample ID : Titik Penaatan 2
Coordinates : S 07° 21' 41.00"
: E 112° 42' 21.00"