

LABORATORY TEST REPORT

Customer : **PT ISPAT INDO**
Medaeng Kulon, Kedungturi, Kec. Taman, Kab, Sidoarjo

Date : August 2, 2023

Attn : Mr. Irwan

Job No. : GL-1841/VII/2023

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

Date sample received : July 20, 2023

Testing period : January 1, 2023 to January 10, 2023

Approved by :

PT. Genau Loka Gantari
Direktur Operasional


Hardian Puji Laksono
PT. GENAU LOKA GANTARI

This report relates specifically to the sample (s) that were drawn and / or provided by the client or their nominated third party solely for testing. The reported result (s) provide no warranty or verification on the sample (s) representing any specific goods and / or shipment and only relate to the sample as received and tested. This report was prepared solely for the use of the client named in this report. Genau disclaims any and all liability for damage or injury which results in the use of the information contained herein and accepts no responsibility for any loss, damage or liability suffered by a third party as a result of any reliance upon or use of this report.

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-1841-8
Customer Sample ID : Sumur Pantau 1
Date Sampled : 18-Jul-23
Time Sampled : 12.00
Sample Matrix : Water Supply
Coordinates : S 07° 21' 33.46"E 112° 41' 53.49"

No.	Test Item	Unit	Test Method	Result	RL	Standard Limit ^{1#}
1	Turbidity	NTU	SNI 06-6989.25-2005	1.18	0.01	25
2	Color**	TCU	SNI 6989.80:2011	2	2.07	50
3	Total Dissolved Solid, TDS	mg/L	G-LAB/IKM/11.1	329.7	0.01	1,000
4	Iron, Fe	mg/L	SNI 6989-82:2018	<0.213	0.213	1
5	CaCO ₃ **	mg/L	SNI 06-6989.12-2004	208	39.3	500
6	Manganese, Mn	mg/L	SNI 6989-82:2018	<0.0079	0.0079	0.5
7	Nitrate, NO ₃ -N**	mg/L	EPA METHOD 352.1:1971	0.590	0.0199	10
8	Nitrite, NO ₂ -N	mg/L	SNI 06-6989.9-2004	0.216	0.0103	1
9	Cyanide, CN**	mg/L	G-LAB/IKM/89.1	<0.004	0.004	0.1
10	Mercury, Hg**	mg/L	APHA 3125 B-2017	<0.0008	0.0008	0.001
11	Chloride, Cl**	mg/L	SNI 3554:2015 butir 3.12	77	-	-
12	Arsen, As**	mg/L	SNI 6989-82:2018	<0.0067	0.0067	0.05
13	Cadmium, Cd	mg/L	SNI 6989-82:2018	0.00212	0.0016	0.005
14	Hexavalent Chromium, Cr ⁶⁺	mg/L	SNI 6989.71:2009	0.0088	0.0018	0.05
15	Zinc, Zn	mg/L	SNI 6989-82:2018	<0.0737	0.0737	15
16	Sulphate, SO ₄ ²⁻	mg/L	SNI 6989.20-2019	24	0.17	400
17	Lead, Pb	mg/L	SNI 6989-82:2018	<0.0067	0.0067	0.05

Remarks:

RL = Reporting limit, quantitation limit of analyte in sample

¹SL = Standard limit, regulatory limit or threshold value

= Refer to PerMenKes No. 32/2017 Table 1 - 3

NA = Not Applicable

** = Not Accredited

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

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

Ambient Temperature = 32.5°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-1841-7
Customer Sample ID : Sumur Pantau 2
Date Sampled : 18-Jul-23
Time Sampled : 11.40
Sample Matrix : Water Supply
Coordinates : S 07° 21' 19.57"E 112° 45' 58.97"

No.	Test Item	Unit	Test Method	Result	RL	Standard Limit ^{1#}
1	Turbidity	NTU	SNI 06-6989.25-2005	0.50	0.01	25
2	Color**	TCU	SNI 6989.80:2011	5	2.07	50
3	Total Dissolved Solid, TDS	mg/L	G-LAB/IKM/11.1	251.9	0.01	1,000
4	Iron, Fe	mg/L	SNI 6989-82:2018	<0.213	0.213	1
5	CaCO ₃ **	mg/L	SNI 06-6989.12-2004	198	39.3	500
6	Manganese, Mn	mg/L	SNI 6989-82:2018	<0.0079	0.0079	0.5
7	Nitrate, NO ₃ -N**	mg/L	EPA METHOD 352.1:1971	0.553	0.0199	10
8	Nitrite, NO ₂ -N	mg/L	SNI 06-6989.9-2004	<0.0103	0.0103	1
9	Cyanide, CN**	mg/L	G-LAB/IKM/89.1	<0.004	0.004	0.1
10	Mercury, Hg**	mg/L	APHA 3125 B-2017	0.00085	0.0008	0.001
11	Chloride, Cl**	mg/L	SNI 3554:2015 butir 3.12	56	-	-
12	Arsen, As**	mg/L	SNI 6989-82:2018	<0.0067	0.0067	0.05
13	Cadmium, Cd	mg/L	SNI 6989-82:2018	0.00354	0.0016	0.005
14	Hexavalent Chromium, Cr ⁶⁺	mg/L	SNI 6989.71:2009	0.0179	0.0018	0.05
15	Zinc, Zn	mg/L	SNI 6989-82:2018	<0.0737	0.0737	15
16	Sulphate, SO ₄ ²⁻	mg/L	SNI 6989.20-2019	36	0.17	400
17	Lead, Pb	mg/L	SNI 6989-82:2018	<0.0067	0.0067	0.05

Remarks:

RL = Reporting limit, quantitation limit of analyte in sample

¹SL = Standard limit, regulatory limit or threshold value

= Refer to PerMenKes No. 32/2017 Table 1 - 3

NA = Not Applicable

** = Not Accredited

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

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

Ambient Temperature = 32.6°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-1841-9
Customer Sample ID : Sumur Pantau 3
Date Sampled : 18-Jul-23
Time Sampled : 12.15
Sample Matrix : Water Supply
Coordinates : S 07° 21' 31.06"E 112° 41' 58.09"

No.	Test Item	Unit	Test Method	Result	RL	Standard Limit ^{1#}
1	Turbidity	NTU	SNI 06-6989.25-2005	0.45	0.01	25
2	Color**	TCU	SNI 6989.80:2011	6	2.07	50
3	Total Dissolved Solid, TDS	mg/L	G-LAB/IKM/11.1	262.7	0.01	1,000
4	Iron, Fe	mg/L	SNI 6989-82:2018	<0.213	0.213	1
5	CaCO ₃ **	mg/L	SNI 06-6989.12-2004	206	39.3	500
6	Manganese, Mn	mg/L	SNI 6989-82:2018	<0.0079	0.0079	0.5
7	Nitrate, NO ₃ -N**	mg/L	EPA METHOD 352.1:1971	0.746	0.0199	10
8	Nitrite, NO ₂ -N	mg/L	SNI 06-6989.9-2004	0.0746	0.0103	1
9	Cyanide, CN**	mg/L	G-LAB/IKM/89.1	<0.004	0.004	0.1
10	Mercury, Hg**	mg/L	APHA 3125 B-2017	<0.0008	0.0008	0.001
11	Chloride, Cl**	mg/L	SNI 3554:2015 butir 3.12	63	-	-
12	Arsen, As**	mg/L	SNI 6989-82:2018	<0.0067	0.0067	0.05
13	Cadmium, Cd	mg/L	SNI 6989-82:2018	0.00328	0.0016	0.005
14	Hexavalent Chromium, Cr ⁶⁺	mg/L	SNI 6989.71:2009	0.0057	0.0018	0.05
15	Zinc, Zn	mg/L	SNI 6989-82:2018	<0.0737	0.0737	15
16	Sulphate, SO ₄ ²⁻	mg/L	SNI 6989.20-2019	35	0.17	400
17	Lead, Pb	mg/L	SNI 6989-82:2018	<0.0067	0.0067	0.05

Remarks:

RL = Reporting limit, quantitation limit of analyte in sample

¹SL = Standard limit, regulatory limit or threshold value

= Refer to PerMenKes No. 32/2017 Table 1 - 3

NA = Not Applicable

** = Not Accredited

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

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

Ambient Temperature = 32.4°C


 PT. Genau Loka Gantari
 Technical Manager
 Dian Nur Kuncoro, S. Si

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-1841-6
 Customer Sample ID : Sumur Pantau 4
 Date Sampled : 18-Jul-23
 Time Sampled : 11.25
 Sample Matrix : Water Supply
 Coordinates : S 07° 21' 33.46"E 112° 41' 53.49"

No.	Test Item	Unit	Test Method	Result	RL	Standard Limit ^{1#}
1	Turbidity	NTU	SNI 06-6989.25-2005	0.32	0.01	25
2	Color**	TCU	SNI 6989.80:2011	7	2.07	50
3	Total Dissolved Solid, TDS	mg/L	G-LAB/IKM/11.1	247.3	0.01	1,000
4	Iron, Fe	mg/L	SNI 6989-82:2018	<0.213	0.213	1
5	CaCO ₃ **	mg/L	SNI 06-6989.12-2004	194	39.3	500
6	Manganese, Mn	mg/L	SNI 6989-82:2018	<0.0079	0.0079	0.5
7	Nitrate, NO ₃ -N**	mg/L	EPA METHOD 352.1:1971	0.386	0.0199	10
8	Nitrite, NO ₂ -N	mg/L	SNI 06-6989.9-2004	<0.0103	0.0103	1
9	Cyanide, CN**	mg/L	G-LAB/IKM/89.1	<0.004	0.004	0.1
10	Mercury, Hg**	mg/L	APHA 3125 B-2017	0.00118	0.0008	0.001
11	Chloride, Cl**	mg/L	SNI 3554:2015 butir 3.12	55	-	-
12	Arsen, As**	mg/L	SNI 6989-82:2018	<0.0067	0.0067	0.05
13	Cadmium, Cd	mg/L	SNI 6989-82:2018	0.00334	0.0016	0.005
14	Hexavalent Chromium, Cr ⁶⁺	mg/L	SNI 6989.71:2009	0.0031	0.0018	0.05
15	Zinc, Zn	mg/L	SNI 6989-82:2018	<0.0737	0.0737	15
16	Sulphate, SO ₄ ²⁻	mg/L	SNI 6989.20-2019	36	0.17	400
17	Lead, Pb	mg/L	SNI 6989-82:2018	<0.0067	0.0067	0.05

Remarks:

RL = Reporting limit, quantitation limit of analyte in sample

¹SL = Standard limit, regulatory limit or threshold value

= Refer to PerMenKes No. 32/2017 Table 1 - 3

NA = Not Applicable

** = Not Accredited

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

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

Ambient Temperature = 32.6°C

PT. Genau Loka Gantari
 Technical Manager



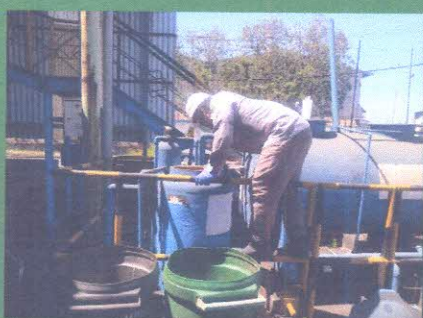
Dian Nur Kuncoro, S. Si

Note : Test results related from sampling to testing sample



SAMPLING POINT DOMESTIC WATER POLLUTION

Customer sample ID : Titik Penaatan 3
Coordinates : S 07° 21' 19.00"
: E 112° 42' 29.00"



SAMPLING POINT DOMESTIC WATER POLLUTION

Customer sample ID : Titik Penaatan 5
Coordinates : S 07° 21' 21.00"
: E 112° 42' 10.00"



SAMPLING POINT WATER SUPPLY

Customer sample ID : Sumur Pantau 4
Coordinates : S 07° 21' 33.46"
: E 112° 41' 53.49"



SAMPLING POINT WATER SUPPLY

Customer sample ID : Sumur Pantau 2
Coordinates : S 07° 21' 19.57"
: E 112° 45' 58.97"



SAMPLING POINT WATER SUPPLY

Customer sample ID : Sumur Pantau 1
Coordinates : S 07° 21' 33.46"
: E 112° 41' 53.49"



SAMPLING POINT WATER SUPPLY

Customer sample ID : Sumur Pantau 3
Coordinates : S 07° 21' 31.06"
: E 112° 41' 58.09"



GENAU LAB
FAST - ACCURATE - PROFESSIONAL

GALERI