

DOH Accredited Testing Laboratory (04A-001-1820-LW-2)
DENR Environmental Laboratory Recognition (ELR Code 04-30)
PNRI (RML No. Y04.04132.17)

PRC Certificate of Authority to Operate No. 111 PNP (License No. PDD03-230616-04201)

ADDRESS: 8 North Science Avenue, Laguna Technopark Inc., Brgy. Biñan (Poblacion), Biñan City, Laguna

CONTACT NO.: (049) 543-1916
WEBSITE: www.lagunawater.com.ph

CUSTOMER NAME: Laguna AAAWater Corporation

ADDRESS : G/F One Evotech Bldg., Nuvali, Santa Rosa City, Laguna, Philippines

ATTENTION : N/A

SUMMARY OF LABORATORY ANALYSIS

SAMPLE CODE

: S20-3341

DATE/TIME SUBMITTED

: 05/28/2020 10:00

DATE/TIME COLLECTION

: 05/28/2020 08:16

COLLECTED BY

: Ohwen Catindig

NO. OF SAMPLES

. 1

TOTAL PARAMETERS TESTED

: 15

SAMPLE LOCATION

: BRENNA MODEL HOUSE, BLOCK 90 LOT 5, LAGUNA BEL-AIR III, BRGY. LOMA, BIÑAN CITY,

LAGUNA

SAMPLE CHARACTERISTICS

: 2000 mL water sample in polyethylene bottle

PARAMETER(S)	UNIT	MDL	LOQ	DECLUT/C)	MATTIOD(C)	ANALYSI	S
FAINAIVE I EN(3)	ONII	MIDE	LOQ	RESULT(S)	METHOD(S)	DATE	BY
pH / Temperature	-/°C	NA	NA	8.47/21.1	4500-H ⁺ . Electrometric	05/28/2020	KAP
Residual Chlorine ^A	mg/L	0.063	0.20	0.0900	4500-CI-G.DPD Colorimetric	05/28/2020	KAP
Color	ACU	2	NA	<2	2120B. Visual Comparison (Pt-Co)	05/28/2020	KAP
Taste ^A	-	NA	NA	UO	2160. Sensory	05/28/2020	KAP
Odor ^A	-	NA	NA	UO	2150. Sensory	05/28/2020	KAP
Turbidity ^A	NTU	0.115	0.365	0.200	2130. Nephelometric	05/28/2020	KAP
Total Hardness as CaCO ₃ ^A	mg/L	0.469	1.49	129	2340C. EDTA Titrimetric	05/28/2020	KAP
Total Dissolved Solids	mg/L	4.77	12.5	293	2540C. Gravimetric, dried @ 180°C	05/28/2020	KAP
Nitrate (NO ₃ -) ^A	mg/L	0.0574	0.183	4.81	44400 4 61	05/28/2020	KAP
Chloride (Cl ⁻) ^A	mg/L	0.0372	0.119	3.88	4110B. Ion Chromatography	05/28/2020	KAP
Fluoride (F ⁻) ^A	mg/L	0.0524	0.167	0.277	with Chemical Suppression of	05/28/2020	KAP
Sulfate (SO ₄ ²⁻) ^A	mg/L	0.0567	0.181	6.09	Eluent Conductivity	05/28/2020	KAP
Iron (Fe) ^A	mg/L	NA	0.005	<0.005	3500-Fe B. Colorimetric	05/28/2020	KYA
Manganese (Mn) ^A	mg/L	NA	0.01	<0.010	3500-Mn B. Colorimetric	05/28/2020	KYA

REMARKS: Sample collection was performed by the LWC Field analyst/technician and were analyzed as submitted.

DEVIATIONS: No deviations noted on sample collection and submission.

NOTE: A - Method is not part of DENR-ELR Recognized Parameters

LEGEND: ACU: Apparent Color Unit; NTU: Nephelometric Turbidity Unit; UO: Unobjectionable; NA: Not Applicable; MDL: Method Detection Limit;

LOQ: Limit of Quantification

METHOD REFERENCE: Standard Methods for the Examination of Water and Wastewater, 23rd Edition

NOT VALID WITHOUT QR STAMP

CERTIFIED CORRECT BY:

AUTHORIZED BY:

KRISTEEN Y. ALDAY, RCh Analytical Services Unit Manager PRC License No. 0013295

ANNA KARLA 9. GUTJERREZ, RMT Laboratory Services Manager License No. PRC 0060968



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CUSTOMER NAME : Laguna AAAWater Corporation

ADDRESS : G/F One Evotech Bldg., Nuvali, Santa Rosa City, Laguna, Philippines

ATTENTION : N/A

SUMMARY OF LABORATORY ANALYSIS

SAMPLE CODE : **S20-3342 DATE/TIME SUBMITTED** : 05/28/2020 10:00

DATE/TIME COLLECTION : 05/28/2020 08:37 COLLECTED BY : Ohwen Catindig

NO. OF SAMPLES :1 TOTAL PARAMETERS TESTED :15

SAMPLE LOCATION : HILCREST ROAD, BLOCK 2, LAGUNA BEL-AIR III, BRGY. LOMA, BIÑAN CITY, LAGUNA

SAMPLE CHARACTERISTICS : 2000 mL water sample in polyethylene bottle

PARAMETER(S)	UNIT	MDL	LOQ	RESULT(S)	METHOD(C)	ANALYSI	S
TAIMINETER(5)	ONIT	IVIDE	LOQ	KESULI(S)	METHOD(S)	DATE	BY
pH / Temperature	-/°C	NA	NA	8.28/21.1	4500-H ⁺ . Electrometric	05/28/2020	КАР
Residual Chlorine ^A	mg/L	0.063	0.20	0.100	4500-Cl-G.DPD Colorimetric	05/28/2020	KAP
Color	ACU	2	NA	<2	2120B. Visual Comparison (Pt-Co)	05/28/2020	KAP
Taste ^A	-	NA	NA	UO	2160. Sensory	05/28/2020	КАР
Odor ^A	-	NA	NA	UO	2150. Sensory	05/28/2020	KAP
Turbidity ^A	NTU	0.115	0.365	0.150	2130. Nephelometric	05/28/2020	KAP
Total Hardness as CaCO ₃ ^A	mg/L	0.469	1.49	133	2340C. EDTA Titrimetric	05/28/2020	KAP
Total Dissolved Solids	mg/L	4.77	12.5	283	2540C. Gravimetric, dried @ 180°C	05/28/2020	KAP
Nitrate (NO₃⁻) ^A	mg/L	0.0574	0.183	4.86		05/28/2020	КАР
Chloride (Cl ⁻) ^A	mg/L	0.0372	0.119	3.88	4110B. ion Chromatography	05/28/2020	КАР
Fluoride (F ⁻) ^A	mg/L	0.0524	0.167	0.279	with Chemical Suppression of	05/28/2020	KAP
Sulfate (SO ₄ ²⁻) ^A	mg/L	0.0567	0.181	6.15	Eluent Conductivity	05/28/2020	KAP
Iron (Fe) ^A	mg/L	NA	0.005	<0.005	3500-Fe B. Colorimetric	05/28/2020	KYA
Manganese (Mn) ^A	mg/L	NA	0.01	<0.010	3500-Mn B. Colorimetric	05/28/2020	KYA

REMARKS: Sample collection was performed by the LWC Field analyst/technician and were analyzed as submitted.

DEVIATIONS: No deviations noted on sample collection and submission.

NOTE: <u>A</u> – Method is not part of DENR-ELR Recognized Parameters

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LOQ: Limit of Quantification

METHOD REFERENCE: Standard Methods for the Examination of Water and Wastewater, 23rd Edition

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AUTHORIZED BY:

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CUSTOMER NAME : Laguna AAAWater Corporation

ADDRESS : G/F One Evotech Bldg., Nuvali, Santa Rosa City, Laguna, Philippines

ATTENTION : N/A

SUMMARY OF LABORATORY ANALYSIS

SAMPLE CODE : S20-3343

DATE/TIME SUBMITTED

: 05/28/2020 10:00

DATE/TIME COLLECTION

: 05/28/2020 08:50

COLLECTED BY

: Ohwen Catindig

NO. OF SAMPLES

: 1

TOTAL PARAMETERS TESTED

SAMPLE LOCATION

: CLUBHOUSE, LAGUNA BEL-AIR III, BRGY. LOMA, BIÑAN CITY, LAGUNA

SAMPLE CHARACTERISTICS

: 2000 mL water sample in polyethylene bottle

PARAMETER(S)	UNIT	MDL	LOQ	RESULT(S)	METHOD(S)	ANALYSI	S
TATAMETER(3)	Oldi	IVIDE	LUQ	KESULI(S)	METHOD(S)	DATE	BY
pH / Temperature	-/°C	NA	NA	8.20/21.0	4500-H ⁺ . Electrometric	05/28/2020	KAP
Residual Chlorine ^A	mg/L	0.063	0.20	0.100	4500-Cl-G.DPD Colorimetric	05/28/2020	KAP
Color	ACU	2	NA	<2	2120B. Visual Comparison (Pt-Co)	05/28/2020	KAP
Taste ^A	-	NA	NA	UO	2160. Sensory	05/28/2020	KAP
Odor ^A	-	NA	NA	UO	2150. Sensory	05/28/2020	KAP
Turbidity ^A	NTU	0.115	0.365	0.150	2130. Nephelometric	05/28/2020	KAP
Total Hardness as CaCO ₃ ^A	mg/L	0.469	1.49	136	2340C. EDTA Titrimetric	05/28/2020	KAP
Total Dissolved Solids	mg/L	4.77	12.5	267	2540C. Gravimetric, dried @ 180°C	05/28/2020	KAP
Nitrate (NO₃⁻) ^A	mg/L	0.0574	0.183	4.85	44400 1 01	05/28/2020	KAP
Chloride (Cl ⁻) ^A	mg/L	0.0372	0.119	3.88	4110B. Ion Chromatography	05/28/2020	KAP
Fluoride (F ⁻) ^A	mg/L	0.0524	0.167	0.272	with Chemical Suppression of	05/28/2020	KAP
Sulfate (SO ₄ ²⁻) ^A	mg/L	0.0567	0.181	6.15	Eluent Conductivity	05/28/2020	KAP
Iron (Fe) ^A	mg/L	NA	0.005	<0.005	3500-Fe B. Colorimetric	05/28/2020	KYA
Manganese (Mn) ^A	mg/L	NA	0.01	<0.010	3500-Mn B. Colorimetric	05/28/2020	KYA

REMARKS: Sample collection was performed by the LWC Field analyst/technician and were analyzed as submitted.

DEVIATIONS: No deviations noted on sample collection and submission.

NOTE: A - Method is not part of DENR-ELR Recognized Parameters

LEGEND: ACU: Apparent Color Unit; NTU: Nephelometric Turbidity Unit; UO: Unobjectionable; NA: Not Applicable; MDL: Method Detection Limit; LOQ: Limit of Quantification

METHOD REFERENCE: Standard Methods for the Examination of Water and Wastewater, 23rd Edition

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AUTHORIZED BY:

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: Edwin O. Aguilar

PNP (License No. PDD03-230616-04201)

ADDRESS: 8 North Science Avenue, Laguna Technopark Inc., Brgy. Biñan (Poblacion), Biñan City, Laguna

CONTACT NO.: (049) 543-1916 WEBSITE: www.lagunawater.com.ph

CUSTOMER NAME : Laguna AAAWater Corporation

ADDRESS : G/F One Evotech Bldg., Nuvali, Santa Rosa City, Laguna, Philippines

ATTENTION : N/A

DATE/TIME COLLECTION

SUMMARY OF LABORATORY ANALYSIS

COLLECTED BY

SAMPLE CODE : S20-3474 **DATE/TIME SUBMITTED** : 06/02/2020 14:50

NO. OF SAMPLES :1 **TOTAL PARAMETERS TESTED** : 15

: 06/02/2020 11:40

SAMPLE LOCATION : CLUBHOUSE, PHASE 3B, SAN JOSE VILLAGE II, BRGY. BIÑAN, BIÑAN CITY, LAGUNA

SAMPLE CHARACTERISTICS : 2000 mL water sample in polyethylene bottle

PARAMETER(S)	UNIT	MDL	LOQ	RESULT(S)	METHOD(S)	ANALYSI	S
TAINAINETER(3)	ONT	IVIDE	LOQ	RESULT(S)	METHOD(S)	DATE	BY
pH / Temperature	-/°C	NA	NA	6.63/25.0	4500-H ⁺ . Electrometric	06/03/2020	KAP
Residual Chlorine ^A	mg/L	0.063	0.20	0.0850	4500-Cl-G.DPD Colorimetric	06/03/2020	KAP
Color	ACU	2	NA	5	2120B. Visual Comparison (Pt-Co)	06/03/2020	KAP
Taste ^A	-	NA	NA	UO	2160. Sensory	06/02/2020	КАР
Odor ^A	-	NA	NA	UO	2150. Sensory	06/02/2020	KAP
Turbidity ^A	NTU	0.115	0.365	1.40	2130. Nephelometric	06/03/2020	KAP
Total Hardness as CaCO ₃ A	mg/L	0.469	1.49	135	2340C. EDTA Titrimetric	06/05/2020	KAP
Total Dissolved Solids	mg/L	4.77	12.5	243	2540C. Gravimetric, dried @ 180°C	06/08/2020	КАР
Nitrate (NO₃⁻) ^A	mg/L	0.0574	0.183	4.68		06/03/2020	KAP
Chloride (Cl ⁻) ^A	mg/L	0.0372	0.119	3.83	4110B. Ion Chromatography with	06/03/2020	KAP
Fluoride (F ⁻) ^A	mg/L	0.0524	0.167	0.271	Chemical Suppression of Eluent	06/03/2020	КАР
Sulfate (SO ₄ ²⁻) ^A	mg/L	0.0567	0.181	7.07	Conductivity	06/03/2020	KAP
Iron (Fe) ^A	mg/L	NA	0.005	0.020	2500 5- B 6-1-4	06/03/2020	KYA
Manganese (Mn) ^A	mg/L	NA	0.01	0.010	3500-Fe B. Colorimetric	06/03/2020	KYA

REMARKS: Sample collection was performed by the LWC Field analyst/technician and were analyzed as submitted.

DEVIATIONS: No deviations noted on sample collection and submission.

NOTE: A Method is not part of DENR-ELR Recognized Parameters

LEGEND: ACU: Apparent Color Unit; NTU: Nephelometric Turbidity Unit; UO: Unobjectionable; NA: Not Applicable; MDL: Method Detection Limit;

LOQ: Limit of Quantification

METHOD REFERENCE: Standard Methods for the Examination of Water and Wastewater, 23rd Edition

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AUTHORIZED BY:

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CUSTOMER NAME : Laguna AAAWater Corporation

ADDRESS : G/F One Evotech Bldg., Nuvali, Santa Rosa City, Laguna, Philippines

ATTENTION : N/A

SUMMARY OF LABORATORY ANALYSIS

SAMPLE CODE : **S20-3475 DATE/TIME SUBMITTED** : 06/02/2020 14:50

DATE/TIME COLLECTION : 06/02/2020 11:15 COLLECTED BY : Edwin O. Aguilar

NO. OF SAMPLES : 1 TOTAL PARAMETERS TESTED : 15

SAMPLE LOCATION : PUMP XI, PHASE V, SAN JOSE VILLAGE II, BRGY. BIÑAN, BIÑAN CITY, LAGUNA

SAMPLE CHARACTERISTICS : 2000 mL water sample in polyethylene bottle

PARAMETER(S)	UNIT	MDL	LOQ	RESULT(S)	METHOD(S)	ANALYSI	S
· Altaivieren(5)		IVIDE	LOQ	KESOLI(S)	METHOD(S)	DATE	BY
pH / Temperature	-/°C	NA	NA	6.80/24.7	4500-H ⁺ . Electrometric	06/03/2020	KAP
Residual Chlorine ^A	mg/L	0.063	0.20	0.455	4500-CI-G.DPD Colorimetric	06/03/2020	KAP
Color	ACU	2	NA	<2	2120B. Visual Comparison (Pt-Co)	06/03/2020	KAP
Taste ^A	-	NA	NA	UO	2160. Sensory	06/02/2020	KAP
Odor ^A	-	NA	NA	UO	2150. Sensory	06/02/2020	KAP
Turbidity ^A	NTU	0.115	0.365	<0.115	2130. Nephelometric	06/03/2020	КАР
Total Hardness as CaCO ₃ A	mg/L	0.469	1.49	135	2340C. EDTA Titrimetric	06/05/2020	КАР
Total Dissolved Solids	mg/L	4.77	12.5	227	2540C. Gravimetric, dried @ 180°C	06/08/2020	KAP
Nitrate (NO₃⁻) ^A	mg/L	0.0574	0.183	5.66		06/03/2020	KAP
Chloride (Cl ⁻) ^A	mg/L	0.0372	0.119	3.93	4110B. Ion Chromatography with	06/03/2020	KAP
Fluoride (F ⁻) ^A	mg/L	0.0524	0.167	0.291	Chemical Suppression of Eluent	06/03/2020	KAP
Sulfate (SO ₄ ²⁻) ^A	mg/L	0.0567	0.181	7.67	Conductivity	06/03/2020	KAP
iron (Fe) ^A	mg/L	NA	0.005	<0.005		06/03/2020	KYA
Manganese (Mn) ^A	mg/L	NA	0.01	<0.010	3500-Fe B. Colorimetric	06/03/2020	KYA

REMARKS: Sample collection was performed by the LWC Field analyst/technician and were analyzed as submitted.

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LOQ: Limit of Quantification

METHOD REFERENCE: Standard Methods for the Examination of Water and Wastewater, 23rd Edition

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CUSTOMER NAME : Laguna AAAWater Corporation

ADDRESS : G/F One Evotech Bldg., Nuvali, Santa Rosa City, Laguna, Philippines

ATTENTION : N/A

DATE/TIME COLLECTION

SUMMARY OF LABORATORY ANALYSIS

COLLECTED BY

SAMPLE CODE : **S20-3476 DATE/TIME SUBMITTED** : 06/02/2020 14:50

NO. OF SAMPLES : 1 TOTAL PARAMETERS TESTED : 15

: 06/02/2020 11:00

SAMPLE LOCATION : CLUBHOUSE, PHASE V, SAN JOSE VILLAGE II, BRGY. BIÑAN, BIÑAN CITY, LAGUNA

SAMPLE CHARACTERISTICS: 2000 mL water sample in polyethylene bottle

PARAMETER(S)	UNIT	MDL	LOQ	RESULT(S)	METHOD(S)	ANALYSI	S
1 ARABIETER(3)	Oldi	IVIDL	LOQ	KESULI(S)	METHOD(S)	DATE	BY
pH / Temperature	-/°C	NA	NA	6.95/24.8	4500-H ⁺ . Electrometric	06/03/2020	KAP
Residual Chlorine ^A	mg/L	0.063	0.20	0.0900	4500-Cl-G.DPD Colorimetric	06/03/2020	KAP
Color	ACU	2	NA	<2	2120B. Visual Comparison (Pt-Co)	06/03/2020	KAP
Taste ^A	-	NA	NA	UO	2160. Sensory	06/02/2020	KAP
Odor ^A	-	NA	NA	UO	2150. Sensory	06/02/2020	KAP
Turbidity ^A	NTU	0.115	0.365	0.550	2130. Nephelometric	06/03/2020	KAP
Total Hardness as CaCO ₃ A	mg/L	0.469	1.49	147	2340C. EDTA Titrimetric	06/05/2020	KAP
Total Dissolved Solids	mg/L	4.77	12.5	230	2540C. Gravimetric, dried @ 180°C	06/08/2020	KAP
Nitrate (NO₃⁻) ^A	mg/L	0.0574	0.183	4.78		06/03/2020	KAP
Chloride (Cl ⁻) ^A	mg/L	0.0372	0.119	3.73	4110B. Ion Chromatography with	06/03/2020	KAP
Fluoride (F ⁻) ^A	mg/L	0.0524	0.167	0.271	Chemical Suppression of Eluent	06/03/2020	KAP
Sulfate (SO ₄ ²⁻) ^A	mg/L	0.0567	0.181	7.03	Conductivity	06/03/2020	KAP
Iron (Fe) ^A	mg/L	NA	0.005	0.010		06/03/2020	KYA
Manganese (Mn) ^A	mg/L	NA	0.01	<0.010	3500-Fe B. Colorimetric	06/03/2020	KYA

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LOQ: Limit of Quantification

METHOD REFERENCE: Standard Methods for the Examination of Water and Wastewater, 23rd Edition

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ATTENTION : N/A

SUMMARY OF LABORATORY ANALYSIS

DATE/TIME COLLECTION : 06/02/2020 12:00 COLLECTED BY Edwin O. Aguilar

NO. OF SAMPLES :1 TOTAL PARAMETERS TESTED :15

SAMPLE LOCATION : CLUBHOUSE, PHASE VI, SAN JOSE VILLAGE III, BRGY. BIÑAN, BIÑAN CITY, LAGUNA

SAMPLE CHARACTERISTICS: 2000 mL water sample in polyethylene bottle

PARAMETER(S)	UNIT	MDL	LOQ	RESULT(S)	METHOD(S)	ANALYSIS	S
		IVIDE	LOQ	RESOLI(S)	WETHOD(S)	DATE	BY
pH / Temperature	-/°C	NA	NA	7.13/25.1	4500-H ⁺ . Electrometric	06/03/2020	KAP
Residual Chlorine ^A	mg/L	0.063	0.20	0.290	4500-CI-G.DPD Colorimetric	06/03/2020	KAP
Color	ACU	2	NA	<2	2120B. Visual Comparison (Pt-Co)	06/03/2020	KAP
Taste ^A	-	NA	NA	UO	2160. Sensory	06/02/2020	KAP
Odor ^A	-	NA	NA	UO	2150. Sensory	06/02/2020	KAP
Turbidity ^A	NTU	0.115	0.365	0.250	2130. Nephelometric	06/03/2020	KAP
Total Hardness as CaCO ₃ ^A	mg/L	0.469	1.49	153	2340C. EDTA Titrimetric	06/05/2020	KAP
Total Dissolved Solids	mg/L	4.77	12.5	243	2540C. Gravimetric, dried @ 180°C	06/08/2020	KAP
Nitrate (NO ₃ -) ^A	mg/L	0.0574	0.183	5.89		06/03/2020	KAP
Chloride (Cl ⁻) ^A	mg/L	0.0372	0.119	3.91	4110B. Ion Chromatography with	06/03/2020	KAP
Fluoride (F ⁻) ^A	mg/L	0.0524	0.167	0.290	Chemical Suppression of Eluent	06/03/2020	KAP
Sulfate (SO ₄ ²⁻) ^A	mg/L	0.0567	0.181	7.62	Conductivity	06/03/2020	KAP
Iron (Fe) ^A	mg/L	NA	0.005	<0.005		06/03/2020	KYA
Manganese (Mn) ^A	mg/L	NA	0.01	<0.010	3500-Fe B. Colorimetric	06/03/2020	KYA

REMARKS: Sample collection was performed by the LWC Field analyst/technician and were analyzed as submitted.

DEVIATIONS: No deviations noted on sample collection and submission.

NOTE: A Method is not part of DENR-ELR Recognized Parameters

LEGEND: Apparent Color Unit; NTU: Nephelometric Turbidity Unit; UO: Unobjectionable; NA: Not Applicable; MDL: Method Detection Limit;

LOQ: Limit of Quantification

METHOD REFERENCE: Standard Methods for the Examination of Water and Wastewater, 23rd Edition

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CERTIFIED CORRECT BY:

KRISTEEN Y. ALDAY, RCh Analytical Services Unit Manager PRC License No. 0013295 **AUTHORIZED BY:**

ANNA KARLA'S. GUTTERFEZ, RMT Laboratory Services Manager License No. PRC 0060968



DOH Accredited Testing Laboratory (04A-001-1820-LW-2)
DENR Environmental Laboratory Recognition (ELR Code 04-30)
PNRI (RML No. Y04.04132.17)
PRC Certificate of Authority to Operate No. 111
PNP (License No. PDD03-230616-04201)

ADDRESS: 8 North Science Avenue, Laguna Technopark Inc., Brgy. Biñan (Poblacion), Biñan City, Laguna

CONTACT NO.: (049) 543-1916
WEBSITE: www.lagunawater.com.ph

CUSTOMER NAME : Laguna AAAWater Corporation

ADDRESS : G/F One Evotech Bldg., Nuvali, Santa Rosa City, Laguna, Philippines

ATTENTION : N/A

SUMMARY OF LABORATORY ANALYSIS

SAMPLE CODE : **S20-3478 DATE/TIME SUBMITTED** : 06/02/2020 14:50

DATE/TIME COLLECTION : 06/02/2020 12:15 COLLECTED BY : Edwin O. Aguilar

NO. OF SAMPLES :1 TOTAL PARAMETERS TESTED :15

SAMPLE LOCATION : AVIDA SHOPHOUSE, LTI SPINE ROAD, LAGUNA BOULEVARD, BRGY. BIÑAN, BIÑAN CITY,

LAGUNA

SAMPLE CHARACTERISTICS: 2000 mL water sample in polyethylene bottle

PARAMETER(S)	UNIT	MDL	LOQ	DECLUT(C)	MAETHOD(C)	ANALYSI	S
TAIMINETER(3)	ONIT	IVIDE	LOQ	RESULT(S)	METHOD(S)	DATE	BY
pH / Temperature	-/°C	NA	NA	7.09/25.0	4500-H ⁺ . Electrometric	06/03/2020	KAP
Residual Chlorine ^A	mg/L	0.063	0.20	0.365	4500-Cl-G.DPD Colorimetric	06/03/2020	KAP
Color	ACU	2	NA	<2	2120B. Visual Comparison (Pt- Co)	06/03/2020	KAP
Taste ^A	-	NA	NA	UO	2160. Sensory	06/02/2020	KAP
Odor ^A	-	NA	NA	UO	2150. Sensory	06/02/2020	KAP
Turbidity ^A	NTU	0.115	0.365	<0.115	2130. Nephelometric	06/03/2020	KAP
Total Hardness as CaCO₃ ^A	mg/L	0.469	1.49	143	2340C. EDTA Titrimetric	06/05/2020	КАР
Total Dissolved Solids	mg/L	4.77	12.5	220	2540C. Gravimetric, dried @ 180°C	06/08/2020	KAP
Nitrate (NO₃⁻) ^A	mg/L	0.0574	0.183	5.90	44400 1 01 1	06/03/2020	KAP
Chloride (Cl ⁻) ^A	mg/L	0.0372	0.119	3.91	4110B. Ion Chromatography	06/03/2020	KAP
Fluoride (F ⁻) ^A	mg/L	0.0524	0.167	0.289	with Chemical Suppression of	06/03/2020	KAP
Sulfate (SO ₄ ²⁻) ^A	mg/L	0.0567	0.181	7.62	Eluent Conductivity	06/03/2020	KAP
Iron (Fe) ^A	mg/L	NA	0.005	<0.005	3500 F. B. Caladana	06/03/2020	KYA
Manganese (Mn) ^A	mg/L	NA	0.01	<0.010	3500-Fe B. Colorimetric	06/03/2020	KYA

REMARKS: Sample collection was performed by the LWC Field analyst/technician and were analyzed as submitted.

DEVIATIONS: No deviations noted on sample collection and submission.

NOTE: A Method is not part of DENR-ELR Recognized Parameters

LEGEND: ACU: Apparent Color Unit; NTU: Nephelometric Turbidity Unit; UO: Unobjectionable; NA: Not Applicable; MDL: Method Detection Limit;

LOQ: Limit of Quantification

METHOD REFERENCE: Standard Methods for the Examination of Water and Wastewater, 23rd Edition

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CERTIFIED CORRECT BY:

AUTHORIZED BY:

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ANNA KARLA'S GUTLERREZ, RMT Laboratory Services Manager License No. PRC 0060968



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CUSTOMER NAME : Laguna AAAWater Corporation

ADDRESS : G/F One Evotech Bldg., Nuvali, Santa Rosa City, Laguna, Philippines

ATTENTION : N/A

SUMMARY OF LABORATORY ANALYSIS

SAMPLE CODE : \$20-3479 DA

DATE/TIME SUBMITTED : 06/02/2020 14:50

DATE/TIME COLLECTION

: 06/02/2020 12:40

COLLECTED BY

Edwin O. Aguilar

NO. OF SAMPLES

:1

: 15

SAMPLE LOCATION

: DE LA SALLE UNIVERSITY SCIENCE AND TECHNOLOGY COMPLEX, LTI SPINE ROAD, LAGUNA

TOTAL PARAMETERS TESTED

BOULEVARD, BRGY. BIÑAN, BIÑAN CITY, LAGUNA

SAMPLE CHARACTERISTICS

: 2000 mL water sample in polyethylene bottle

PARAMETER(S)	UNIT	MDL	LOQ	DECLUT(C)	METHODIC	ANALYSI	S
PARAMETER(3)	OWII	MIDE	LOQ	RESULT(S)	METHOD(S)	DATE	BY
pH / Temperature	-/°C	NA	NA	7.09/25.0	4500-H ⁺ . Electrometric	06/03/2020	KAP
Residual Chlorine ^A	mg/L	0.063	0.20	0.350	4500-Cl-G.DPD Colorimetric	06/03/2020	KAP
Color	ACU	2	NA	<2	2120B. Visual Comparison (Pt-Co)	06/03/2020	KAP
Taste ^A	-	NA	NA	UO	2160. Sensory	06/02/2020	KAP
Odor ^A		NA	NA	UO	2150. Sensory	06/02/2020	KAP
Turbidity ^A	NTU	0.115	0.365	<0.115	2130. Nephelometric	06/03/2020	KAP
Total Hardness as CaCO ₃ ^A	mg/L	0.469	1.49	135	2340C. EDTA Titrimetric	06/05/2020	KAP
Total Dissolved Solids	mg/L	4.77	12.5	247	2540C. Gravimetric, dried @ 180°C	06/08/2020	КАР
Nitrate (NO₃⁻) ^A	mg/L	0.0574	0.183	5.91	44400 1 01 1	06/03/2020	KAP
Chloride (Cl ⁻) ^A	mg/L	0.0372	0.119	3.94	4110B. Ion Chromatography	06/03/2020	KAP
Fluoride (F ⁻) ^A	mg/L	0.0524	0.167	0.283	with Chemical Suppression of	06/03/2020	KAP
Sulfate (SO ₄ ² -) ^A	mg/L	0.0567	0.181	7.52	Eluent Conductivity	06/03/2020	KAP
Iron (Fe) ^A	mg/L	NA	0.005	<0.005	3500 Fa B. Caladaratria	06/03/2020	KYA
Manganese (Mn) ^A	mg/L	NA	0.01	<0.010	3500-Fe B. Colorimetric	06/03/2020	KYA

REMARKS: Sample collection was performed by the LWC Field analyst/technician and were analyzed as submitted.

DEVIATIONS: No deviations noted on sample collection and submission.

NOTE: <u>A</u> Method is not part of DENR-ELR Recognized Parameters

LEGEND: ACU: Apparent Color Unit; NTU: Nephelometric Turbidity Unit; UO: Unobjectionable; NA: Not Applicable; MDL: Method Detection Limit;

LOQ: Limit of Quantification

METHOD REFERENCE: Standard Methods for the Examination of Water and Wastewater, 23rd Edition

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CUSTOMER NAME : Laguna AAAWater Corporation

ADDRESS : G/F One Evotech Bldg., Nuvali, Santa Rosa City, Laguna, Philippines

ATTENTION : N/A

SUMMARY OF LABORATORY ANALYSIS

SAMPLE CODE

: S20-3480

DATE/TIME SUBMITTED

: 06/02/2020 14:50

DATE/TIME COLLECTION

: 06/02/2020 13:00

COLLECTED BY

: Edwin O. Aguilar

NO. OF SAMPLES

: 1

TOTAL PARAMETERS TESTED

: 15

SAMPLE LOCATION

: BLOCK 43 LOT 13, CELINA TECHNOPARK, BRGY. LOMA, BIÑAN CITY, LAGUNA

SAMPLE CHARACTERISTICS

: 2000 mL water sample in polyethylene bottle

PARAMETER(S)	UNIT	MDL	LOQ	RESULT(S)	METHOD(s)	ANALYSI	S
***************************************	Oilli	IVIDE	LOQ	KESOLI(S)	METHOD(S)	DATE	BY
pH / Temperature	-/°C	NA	NA	7.12/25.3	4500-H ⁺ . Electrometric	06/03/2020	KAP
Residual Chlorine ^A	mg/L	0.063	0.20	0.0900	4500-CI-G.DPD Colorimetric	06/03/2020	KAP
Color	ACU	2	NA	<2	2120B. Visual Comparison (Pt-Co)	06/03/2020	KAP
Taste ^A	•	NA	NA	UO	2160. Sensory	06/02/2020	KAP
Odor ^A	-	NA	NA	UO	2150. Sensory	06/02/2020	KAP
Turbidity ^A	NTU	0.115	0.365	0.500	2130. Nephelometric	06/03/2020	KAP
Total Hardness as CaCO ₃ ^A	mg/L	0.469	1.49	145	2340C. EDTA Titrimetric	06/05/2020	KAP
Total Dissolved Solids	mg/L	4.77	12.5	243	2540C. Gravimetric, dried @ 180°C	06/08/2020	KAP
Nitrate (NO₃⁻) ^A	mg/L	0.0574	0.183	4.78		06/03/2020	KAP
Chloride (Cl ⁻) ^A	mg/L	0.0372	0.119	3.69	4110B. Ion Chromatography	06/03/2020	KAP
Fluoride (F ⁻) ^A	mg/L	0.0524	0.167	0.279	with Chemical Suppression of	06/03/2020	KAP
Sulfate (SO ₄ ²⁻) ^A	mg/L	0.0567	0.181	6.93	Eluent Conductivity	06/03/2020	KAP
Iron (Fe) ^A	mg/L	NA	0.005	0.010	2500 5 0 0 1 1 1 1	06/03/2020	KYA
Manganese (Mn) ^A	mg/L	NA	0.01	<0.010	3500-Fe B. Colorimetric	06/03/2020	KYA

REMARKS: Sample collection was performed by the LWC Field analyst/technician and were analyzed as submitted.

DEVIATIONS: No deviations noted on sample collection and submission.

NOTE: A Method is not part of DENR-ELR Recognized Parameters

LEGEND: ACU: Apparent Color Unit; NTU: Nephelometric Turbidity Unit; UO: Unobjectionable; NA: Not Applicable; MDL: Method Detection Limit;

LOQ: Limit of Quantification

METHOD REFERENCE: Standard Methods for the Examination of Water and Wastewater, 23rd Edition

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CUSTOMER NAME : Laguna AAAWater Corporation

ADDRESS : G/F One Evotech Bldg., Nuvali, Santa Rosa City, Laguna, Philippines

ATTENTION : N/A

SUMMARY OF LABORATORY ANALYSIS

SAMPLE CODE : S20-3481 **DATE/TIME SUBMITTED**

: 06/02/2020 14:50

DATE/TIME COLLECTION

: 06/02/2020 13:20

COLLECTED BY

: Edwin O. Aguilar

NO. OF SAMPLES

: 1

TOTAL PARAMETERS TESTED

: 15

SAMPLE LOCATION

: CLUBHOUSE, VERDANA HOMES SUBDIVISION, BRGY. MAMPLASAN, BIÑAN CITY, LAGUNA

SAMPLE CHARACTERISTICS : 2000 mL water sample in polyethylene bottle

PARAMETER(S)	UNIT	MDL	LOQ	RESULT(S)	METHODIS	ANALYSI	S
· Allatore (EN(S)	OIIII	WIDE	LOQ	KESULI(S)	METHOD(S)	DATE	BY
pH / Temperature	-/°C	NA	NA	7.10/25.2	4500-H ⁺ . Electrometric	06/03/2020	KAP
Residual Chlorine ^A	mg/L	0.063	0.20	0.380	4500-CI-G.DPD Colorimetric	06/03/2020	KAP
Color	ACU	2	NA	<2	2120B. Visual Comparison (Pt-Co)	06/03/2020	KAP
Taste ^A	-	NA	NA	UO	2160. Sensory	06/02/2020	KAP
Odor ^A		NA	NA	UO	2150. Sensory	06/02/2020	KAP
Turbidity ^A	NTU	0.115	0.365	<0.115	2130. Nephelometric	06/03/2020	KAP
Total Hardness as CaCO ₃ ^A	mg/L	0.469	1.49	169	2340C. EDTA Titrimetric	06/05/2020	KAP
Total Dissolved Solids	mg/L	4.77	12.5	257	2540C. Gravimetric, dried @ 180°C	06/08/2020	KAP
Nitrate (NO ₃ -) ^A	mg/L	0.0574	0.183	6.25		06/03/2020	KAP
Chloride (Cl ⁻) ^A	mg/L	0.0372	0.119	4.36	4110B. Ion Chromatography	06/03/2020	KAP
Fluoride (F ⁻) ^A	mg/L	0.0524	0.167	0.275	with Chemical Suppression of	06/03/2020	KAP
Sulfate (SO ₄ ²⁻) ^A	mg/L	0.0567	0.181	7.55	Eluent Conductivity	06/03/2020	KAP
Iron (Fe) ^A	mg/L	NA	0.005	<0.005	2500 5 0 0 1 1 11	06/03/2020	KYA
Manganese (Mn) ^A	mg/L	NA	0.01	<0.010	3500-Fe B. Colorimetric	06/03/2020	KYA

REMARKS: Sample collection was performed by the LWC Field analyst/technician and were analyzed as submitted.

DEVIATIONS: No deviations noted on sample collection and submission.

NOTE: A Method is not part of DENR-ELR Recognized Parameters

LEGEND: ACU: Apparent Color Unit; NTU: Nephelometric Turbidity Unit; UO: Unobjectionable; NA: Not Applicable; MDL: Method Detection Limit;

LOQ: Limit of Quantification

METHOD REFERENCE: Standard Methods for the Examination of Water and Wastewater, 23rd Edition

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CERTIFIED CORRECT BY:

AUTHORIZED BY:

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CUSTOMER NAME : Laguna AAAWater Corporation

ADDRESS : G/F One Evotech Bldg., Nuvali, Santa Rosa City, Laguna, Philippines

ATTENTION : N/A

SUMMARY OF LABORATORY ANALYSIS

SAMPLE CODE : S20-3511 DATE/TIME SUBMITTED

: 06/03/2020 12:40

DATE/TIME COLLECTION

: 06/03/2020 12:10

COLLECTED BY

: Edwin O. Aguilar / Elmer Palmares

NO. OF SAMPLES

: 1

TOTAL PARAMETERS TESTED

SAMPLE LOCATION

: SUMMER BREEZE, BRGY. ZAPOTE, BIÑAN CITY, LAGUNA

SAMPLE CHARACTERISTICS

: 2000 mL water sample in polyethylene bottle

PARAMETER(S)	UNIT	MDL	LOQ	RESULT(S)	METHOD(C)	ANALYSI	S
TAIMINETER(3)	ONT	IVIDE	LOQ	KESULI(S)	METHOD(S)	DATE	BY
pH / Temperature	-/°C	NA	NA	7.22/29.4	4500-H ⁺ . Electrometric	06/03/2020	EOA
Residual Chlorine ^A	mg/L	0.063	0.20	<0.0630	4500-Cl-G.DPD Colorimetric	06/03/2020	EOA
Color	ACU	2	NA	5	2120B. Visual Comparison (Pt- Co)	06/03/2020	KAP
Taste ^A	-	NA	NA	UO	2160. Sensory	06/03/2020	KAP
Odor ^A	-	NA	NA	UO	2150. Sensory	06/03/2020	KAP
Turbidity ^A	NTU	0.115	0.365	1.80	2130. Nephelometric	06/03/2020	KAP
Total Hardness as CaCO ₃ A	mg/L	0.469	1.49	173	2340C. EDTA Titrimetric	06/05/2020	KAP
Total Dissolved Solids	mg/L	4.77	12.5	247	2540C. Gravimetric, dried @ 180°C	06/08/2020	KAP
Nitrate (NO₃⁻) ^A	mg/L	0.0574	0.183	<0.0574	44400 1 01 1	06/04/2020	KAP
Chloride (Cl ⁻) ^A	mg/L	0.0372	0.119	6.16	4110B. Ion Chromatography	06/04/2020	KAP
Fluoride (F ⁻) ^A	mg/L	0.0524	0.167	0.318	with Chemical Suppression of	06/04/2020	KAP
Sulfate (SO ₄ ²⁻) ^A	mg/L	0.0567	0.181	7.48	Eluent Conductivity	06/04/2020	KAP
Iron (Fe) ^A	mg/L	NA	0.005	0.17	3500 Fa D. Caladia Add	06/03/2020	KYA
Manganese (Mn) ^A	mg/L	NA	0.01	0.01	3500-Fe B. Colorimetric	06/03/2020	KYA

REMARKS: Sample collection was performed by the LWC Field analyst/technician and were analyzed as submitted.

DEVIATIONS: No deviations noted on sample collection and submission.

NOTE: A Method is not part of DENR-ELR Recognized Parameters

LEGEND: ACU: Apparent Color Unit; NTU: Nephelometric Turbidity Unit; UO: Unobjectionable; NA: Not Applicable; MDL: Method Detection Limit;

LOQ: Limit of Quantification

METHOD REFERENCE: Standard Methods for the Examination of Water and Wastewater, 23rd Edition

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AUTHORIZED BY:

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CUSTOMER NAME: Laguna AAAWater Corporation

ADDRESS : G/F One Evotech Bldg., Nuvali, Santa Rosa City, Laguna, Philippines

ATTENTION : N/A

SUMMARY OF LABORATORY ANALYSIS

SAMPLE CODE : S20-3512 **DATE/TIME SUBMITTED** : 06/03/2020 12:40

DATE/TIME COLLECTION : 06/03/2020 12:20 **COLLECTED BY** : Edwin O. Aguilar / Elmer Palmares

NO. OF SAMPLES : 1 **TOTAL PARAMETERS TESTED**

SAMPLE LOCATION : CLUBHOUSE, SUMMER BREEZE, BRGY. ZAPOTE, BIÑAN CITY, LAGUNA

SAMPLE CHARACTERISTICS : 2000 mL water sample in polyethylene bottle

PARAMETER(S)	UNIT	MDL	LOQ	RESULT(S)	METHOD(S)	ANALYSI	S
17110111121211(0)	Oliv	IVIDE	LOQ	RESULT(S)	WETHOD(S)	DATE	BY
pH / Temperature	-/°C	NA	NA	7.96/30.1	4500-H ⁺ . Electrometric	06/03/2020	EOA
Residual Chlorine ^A	mg/L	0.063	0.20	<0.0630	4500-CI-G.DPD Colorimetric	06/03/2020	EOA
Color	ACU	2	NA	5	2120B. Visual Comparison (Pt-Co)	06/03/2020	KAP
Taste ^A		NA	NA	UO	2160. Sensory	06/03/2020	KAP
Odor ^A	-	NA	NA	UO	2150. Sensory	06/03/2020	KAP
Turbidity ^A	NTU	0.115	0.365	1.55	2130. Nephelometric	06/03/2020	KAP
Total Hardness as CaCO ₃ A	mg/L	0.469	1.49	179	2340C. EDTA Titrimetric	06/05/2020	KAP
Total Dissolved Solids	mg/L	4.77	12.5	267	2540C. Gravimetric, dried @ 180°C	06/08/2020	KAP
Nitrate (NO₃⁻) ^A	mg/L	0.0574	0.183	<0.0574		06/04/2020	KAP
Chloride (Cl ⁻) ^A	mg/L	0.0372	0.119	6.17	4110B. Ion Chromatography	06/04/2020	KAP
Fluoride (F ⁻) ^A	mg/L	0.0524	0.167	0.314	with Chemical Suppression of	06/04/2020	KAP
Sulfate (SO ₄ ²⁻) ^A	mg/L	0.0567	0.181	7.74	Eluent Conductivity	06/04/2020	KAP
Iron (Fe) ^A	mg/L	NA	0.005	0.150	2500 5- 8 6-1- : :	06/03/2020	KYA
Manganese (Mn) ^A	mg/L	NA	0.01	0.010	3500-Fe B. Colorimetric	06/03/2020	KYA

REMARKS: Sample collection was performed by the LWC Field analyst/technician and were analyzed as submitted.

DEVIATIONS: No deviations noted on sample collection and submission.

NOTE: A Method is not part of DENR-ELR Recognized Parameters

LEGEND: ACU: Apparent Color Unit; NTU: Nephelometric Turbidity Unit; UO: Unobjectionable; NA: Not Applicable; MDL: Method Detection Limit;

LOQ: Limit of Quantification

METHOD REFERENCE: Standard Methods for the Examination of Water and Wastewater, 23rd Edition

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CERTIFIED CORRECT BY:

AUTHORIZED BY:

KRISTEEN Y/ALDAY, RCh Analytical Services Unit Manager PRC License No. 0013295

Laboratory Services Manager License No. PRC 0060968



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CONTACT NO.: (049) 543-1916 WEBSITE: www.lagunawater.com.ph

CUSTOMER NAME : Laguna AAAWater Corporation

ADDRESS : G/F One Evotech Bldg., Nuvali, Santa Rosa City, Laguna, Philippines

ATTENTION : N/A

SUMMARY OF LABORATORY ANALYSIS

SAMPLE CODE : S20-3513 **DATE/TIME SUBMITTED** : 06/03/2020 12:40

DATE/TIME COLLECTION : 06/03/2020 10:51 **COLLECTED BY** : Edwin O. Aguilar / Elmer Palmares

NO. OF SAMPLES : 1 **TOTAL PARAMETERS TESTED**

SAMPLE LOCATION : EVERGREEN ELEVATED WATER TANK, BRGY. ZAPOTE, BIÑAN CITY, LAGUNA

SAMPLE CHARACTERISTICS : 2000 mL water sample in polyethylene bottle

PARAMETER(S)	UNIT	MDL	LOQ	RESULT(S)	METHOD(C)	ANALYSI	S
TAIGHTETET(5)	Olili	IVIDE	LOQ	RESULT(S)	METHOD(S)	DATE	BY
pH / Temperature	-/°C	NA	NA	7.68/29.0	4500-H ⁺ . Electrometric	06/03/2020	EOA
Residual Chlorine ^A	mg/L	0.063	0.20	<0.0630	4500-CI-G.DPD Colorimetric	06/03/2020	EOA
Color	ACU	2	NA	5	2120B. Visual Comparison (Pt-Co)	06/03/2020	KAP
Taste ^A		NA	NA	UO	2160. Sensory	06/03/2020	KAP
Odor ^A	-	NA	NA	UO	2150. Sensory	06/03/2020	KAP
Turbidity ^A	NTU	0.115	0.365	0.250	2130. Nephelometric	06/03/2020	KAP
Total Hardness as CaCO ₃ ^A	mg/L	0.469	1.49	162	2340C. EDTA Titrimetric	06/05/2020	KAP
Total Dissolved Solids	mg/L	4.77	12.5	230	2540C. Gravimetric, dried @ 180°C	06/08/2020	KAP
Nitrate (NO₃⁻) ^A	mg/L	0.0574	0.183	0.529	44400 1 01	06/04/2020	KAP
Chloride (Cl ⁻) ^A	mg/L	0.0372	0.119	4.39	4110B. Ion Chromatography	06/04/2020	КАР
Fluoride (F ⁻) ^A	mg/L	0.0524	0.167	0.314	with Chemical Suppression of	06/04/2020	KAP
Sulfate (SO ₄ ²⁻) ^A	mg/L	0.0567	0.181	5.01	Eluent Conductivity	06/04/2020	KAP
Iron (Fe) ^A	mg/L	NA	0.005	0.050	3500 5 3 6 1 1 1 1	06/03/2020	KYA
Manganese (Mn) ^A	mg/L	NA	0.01	<0.010	3500-Fe B. Colorimetric	06/03/2020	KYA

REMARKS: Sample collection was performed by the LWC Field analyst/technician and were analyzed as submitted.

DEVIATIONS: No deviations noted on sample collection and submission.

NOTE: A Method is not part of DENR-ELR Recognized Parameters

LEGEND: ACU: Apparent Color Unit; NTU: Nephelometric Turbidity Unit; UO: Unobjectionable; NA: Not Applicable; MDL: Method Detection Limit;

LOQ: Limit of Quantification

METHOD REFERENCE: Standard Methods for the Examination of Water and Wastewater, 23rd Edition

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CERTIFIED CORRECT BY:

AUTHORIZED BY:

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PRC License No. 0013295

S. GUTIERREZ, RMT Laboratory Services Manager License No. PRC 0060968



DOH Accredited Testing Laboratory (04A-001-1820-LW-2) DENR Environmental Laboratory Recognition (ELR Code 04-30) PNRI (RML No. Y04.04132.17) PRC Certificate of Authority to Operate No. 111 PNP (License No. PDD03-230616-04201)

ADDRESS: 8 North Science Avenue, Laguna Technopark Inc., Brgy. Biñan (Poblacion), Biñan City, Laguna

CONTACT NO.: (049) 543-1916 WEBSITE: www.lagunawater.com.ph

CUSTOMER NAME : Laguna AAAWater Corporation

ADDRESS : G/F One Evotech Bldg., Nuvali, Santa Rosa City, Laguna, Philippines

ATTENTION : N/A

SUMMARY OF LABORATORY ANALYSIS

SAMPLE CODE : S20-3514 **DATE/TIME SUBMITTED** : 06/03/2020 12:40

DATE/TIME COLLECTION : 06/03/2020 11:10 **COLLECTED BY** : Edwin O. Aguilar / Elmer Palmares

NO. OF SAMPLES :1 **TOTAL PARAMETERS TESTED**

SAMPLE LOCATION : EVERGREEN CLUBHOUSE, BRGY. ZAPOTE, BIÑAN CITY, LAGUNA

SAMPLE CHARACTERISTICS : 2000 mL water sample in polyethylene bottle

PARAMETER(S)	UNIT	MDF	LOQ	RESULT(S)	METHOD(S)	ANALYSI	S
			LOQ	NESOCI(S)	INIETHOD(S)	DATE	BY
pH / Temperature	-/°C	NA	NA	7.30/29.9	4500-H ⁺ . Electrometric	06/03/2020	EOA
Residual Chlorine ^A	mg/L	0.063	0.20	0.150	4500-Cl-G.DPD Colorimetric	06/03/2020	EOA
Color	ACU	2	NA	<2	2120B. Visual Comparison (Pt-Co)	06/03/2020	KAP
Taste ^A	-	NA	NA	uo	2160. Sensory	06/03/2020	KAP
Odor ^A	·	NA	NA	UO	2150. Sensory	06/03/2020	KAP
Turbidity ^A	NTU	0.115	0.365	0.300	2130. Nephelometric	06/03/2020	KAP
Total Hardness as CaCO ₃ A	mg/L	0.469	1.49	169	2340C. EDTA Titrimetric	06/05/2020	KAP
Total Dissolved Solids	mg/L	4.77	12.5	277	2540C. Gravimetric, dried @ 180°C	06/08/2020	KAP
Nitrate (NO₃⁻) ^A	mg/L	0.0574	0.183	<0.0574		06/04/2020	KAP
Chloride (Cl ⁻) ^A	mg/L	0.0372	0.119	3.76	4110B. Ion Chromatography	06/04/2020	KAP
Fluoride (F ⁻) ^A	mg/L	0.0524	0.167	0.340	with Chemical Suppression of	06/04/2020	KAP
Sulfate (SO ₄ ²⁻) ^A	mg/L	0.0567	0.181	4.61	Eluent Conductivity	06/04/2020	KAP
Iron (Fe) ^A	mg/L	NA	0.005	0.140	2500 5 5 5 1 1 1 1 1	06/03/2020	KYA
Manganese (Mn) ^A	mg/L	NA	0.01	<0.010	3500-Fe B. Colorimetric	06/03/2020	KYA

REMARKS: Sample collection was performed by the LWC Field analyst/technician and were analyzed as submitted.

DEVIATIONS: No deviations noted on sample collection and submission.

NOTE: A Method is not part of DENR-ELR Recognized Parameters

LEGEND: ACU: Apparent Color Unit; NTU: Nephelometric Turbidity Unit; UO: Unobjectionable; NA: Not Applicable; MDL: Method Detection Limit;

LOQ: Limit of Quantification

METHOD REFERENCE: Standard Methods for the Examination of Water and Wastewater, 23rd Edition

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CERTIFIED CORRECT BY:

AUTHORIZED BY:

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CUSTOMER NAME : Laguna AAAWater Corporation

ADDRESS : G/F One Evotech Bldg., Nuvali, Santa Rosa City, Laguna, Philippines

ATTENTION : N/A

SUMMARY OF LABORATORY ANALYSIS

SAMPLE CODE : **S20-3515 DATE/TIME SUBMITTED** : 06/03/2020 12:40

DATE/TIME COLLECTION : 06/03/2020 11:15 COLLECTED BY : Edwin O. Aguilar / Elmer Palmares

NO. OF SAMPLES :1 TOTAL PARAMETERS TESTED :15

SAMPLE LOCATION : ELEVATED WATER TANK, MONDO BAMBINI, BRGY. PLATERO, BIÑAN CITY, LAGUNA

SAMPLE CHARACTERISTICS : 2000 mL water sample in polyethylene bottle

PARAMETER(S)	UNIT	MDL	LOQ	RESULT(S)	METHOD(C)	ANALYSI	S
TARAMETER(5)	ONT	IVIDE	LOQ	RESOLI(S)	METHOD(S)	DATE	BY
pH / Temperature	-/°C	NΑ	NA	7.82/29.1	4500-H*. Electrometric	06/03/2020	EOA
Residual Chlorine ^A	mg/L	0.063	0.20	0.100	4500-CI-G.DPD Colorimetric	06/03/2020	EOA
Color	ACU	2	NA	5	2120B. Visual Comparison (Pt- Co)	06/03/2020	KAP
Taste ^A	-	NA	NA	UO	2160. Sensory	06/03/2020	KAP
Odor ^A	-	NA	NA	UO	2150. Sensory	06/03/2020	KAP
Turbidity ^A	NTU	0.115	0.365	0.550	2130. Nephelometric	06/03/2020	KAP
Total Hardness as CaCO ₃ ^A	mg/L	0.469	1.49	176	2340C. EDTA Titrimetric	06/05/2020	KAP
Total Dissolved Solids	mg/L	4.77	12.5	290	2540C. Gravimetric, dried @ 180°C	06/08/2020	KAP
Nitrate (NO₃⁻) ^A	mg/L	0.0574	0.183	<0.0574		06/04/2020	KAP
Chloride (Cl ⁻) ^A	mg/L	0.0372	0.119	5.13	4110B. Ion Chromatography	06/04/2020	KAP
Fluoride (F ⁻) ^A	mg/L	0.0524	0.167	0.325	with Chemical Suppression of	06/04/2020	KAP
Sulfate (SO ₄ ²⁻) ^A	mg/L	0.0567	0.181	4.99	Eluent Conductivity	06/04/2020	KAP
Iron (Fe) ^A	mg/L	NA	0.005	0.330	2500 5- B Colodon 1	06/03/2020	KYA
Manganese (Mn) ^A	mg/L	NA	0.01	<0.010	3500-Fe B. Colorimetric	06/03/2020	КҮА

REMARKS: Sample collection was performed by the LWC Field analyst/technician and were analyzed as submitted.

DEVIATIONS: No deviations noted on sample collection and submission.

NOTE: <u>A Method is not part of DENR-ELR Recognized Parameters</u>

LEGEND: ACU: Apparent Color Unit; NTU: Nephelometric Turbidity Unit; UO: Unobjectionable; NA: Not Applicable; MDL: Method Detection Limit;

LOQ: Limit of Quantification

METHOD REFERENCE: Standard Methods for the Examination of Water and Wastewater, 23rd Edition

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AUTHORIZED BY:

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CUSTOMER NAME : Laguna AAAWater Corporation

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ATTENTION : N/A

SUMMARY OF LABORATORY ANALYSIS

SAMPLE CODE : S20-3516 **DATE/TIME SUBMITTED** : 06/03/2020 12:40

DATE/TIME COLLECTION : 06/03/2020 11:20 **COLLECTED BY** : Edwin O. Aguilar / Elmer Palmares

NO. OF SAMPLES : 1 **TOTAL PARAMETERS TESTED**

SAMPLE LOCATION : CLUBHOUSE, MONDO BAMBINI, BRGY. PLATERO, BIÑAN CITY, LAGUNA

SAMPLE CHARACTERISTICS : 2000 mL water sample in polyethylene bottle

PARAMETER(S)	UNIT	MDL	LOQ	RESULT(S)	MAETHOD(S)	ANALYSI	S
PANAMICIEN(3)	OMIT	IAIDE	LOQ	KESULI(S)	METHOD(S)	DATE	BY
pH / Temperature	-/°C	NA	NA	7.65/30.7	4500-H ⁺ . Electrometric	06/03/2020	EOA
Residual Chlorine ^A	mg/L	0.063	0.20	0.0700	4500-CI-G.DPD Colorimetric	06/03/2020	EOA
Color	ACU	2	NA	<2	2120B. Visual Comparison (Pt-Co)	06/03/2020	KAP
Taste ^A		NA	NA	UO	2160. Sensory	06/03/2020	KAP
Odor ^A	•	NA	NA	UO	2150. Sensory	06/03/2020	KAP
Turbidity ^A	NTU	0.115	0.365	0.400	2130. Nephelometric	06/03/2020	KAP
Total Hardness as CaCO₃ ^A	mg/L	0.469	1.49	171	2340C. EDTA Titrimetric	06/05/2020	КАР
Total Dissolved Solids	mg/L	4.77	12.5	193	2540C. Gravimetric, dried @ 180°C	06/08/2020	КАР
Nitrate (NO₃⁻) ^A	mg/L	0.0574	0.183	<0.0574		06/04/2020	KAP
Chloride (Cl ⁻) ^A	mg/L	0.0372	0.119	4.56	4110B. Ion Chromatography with	06/04/2020	KAP
Fluoride (F ⁻) ^A	mg/L	0.0524	0.167	0.331	Chemical Suppression of Eluent	06/04/2020	KAP
Sulfate (SO ₄ ²⁻) ^A	mg/L	0.0567	0.181	4.78	Conductivity	06/04/2020	KAP
Iron (Fe) ^A	mg/L	NA	0.005	0.280	2522 5 2 2 2 2 2 2	06/03/2020	KYA
Manganese (Mn) ^A	mg/L	NA	0.01	<0.01	3500-Fe B. Colorimetric	06/03/2020	KYA

REMARKS: Sample collection was performed by the LWC Field analyst/technician and were analyzed as submitted.

DEVIATIONS: No deviations noted on sample collection and submission.

NOTE: A Method is not part of DENR-ELR Recognized Parameters

LEGEND: ACU: Apparent Color Unit; NTU: Nephelometric Turbidity Unit; UO: Unobjectionable; NA: Not Applicable; MDL: Method Detection Limit;

LOQ: Limit of Quantification

METHOD REFERENCE: Standard Methods for the Examination of Water and Wastewater, 23rd Edition

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CUSTOMER NAME: Laguna AAAWater Corporation

ADDRESS : G/F One Evotech Bldg., Nuvali, Santa Rosa City, Laguna, Philippines

ATTENTION : N/A

SUMMARY OF LABORATORY ANALYSIS

SAMPLE CODE : S20-3517

DATE/TIME SUBMITTED

: 06/03/2020 12:40

DATE/TIME COLLECTION

: 06/03/2020 11:40

COLLECTED BY

: Edwin O. Aguilar / Elmer Palmares

NO. OF SAMPLES

: 1

TOTAL PARAMETERS TESTED

. 15

SAMPLE LOCATION

: ELEVATED WATER TANK, PRIMA CASA, BRGY. PLATERO, BIÑAN CITY, LAGUNA

SAMPLE CHARACTERISTICS : 2000 mL water sample in polyethylene bottle

PARAMETER(S)	UNIT.	MDL	LOQ	RESULT(S)	METHOD(S)	ANALYSI	S
TAID WILLER(S)	Oldi I	IVIDE	LOQ	RESULT(S)	METHOD(S)	DATE	BY
pH / Temperature	-/°C	NA	NA	7.14/30.1	4500-H ⁺ . Electrometric	06/03/2020	EOA
Residual Chlorine ^A	mg/L	0.063	0.20	0.110	4500-CI-G.DPD Colorimetric	06/03/2020	EOA
Color	ACU	2	NA	<2	2120B. Visual Comparison (Pt-Co)	06/03/2020	KAP
Taste ^A	_	NA	NA	UO	2160. Sensory	06/03/2020	KAP
Odor ^A	-	NA	NA	UO	2150. Sensory	06/03/2020	KAP
Turbidity ^A	NTU	0.115	0.365	0.150	2130. Nephelometric	06/03/2020	KAP
Total Hardness as CaCO ₃ ^A	mg/L	0.469	1.49	158	2340C. EDTA Titrimetric	06/05/2020	KAP
Total Dissolved Solids	mg/L	4.77	12.5	267	2540C. Gravimetric, dried @ 180°C	06/08/2020	KAP
Nitrate (NO₃⁻) ^A	mg/L	0.0574	0.183	<0.0574		06/04/2020	KAP
Chloride (Cl ⁻) ^A	mg/L	0.0372	0.119	9.25	4110B. Ion Chromatography	06/04/2020	KAP
Fluoride (F ⁻) ^A	mg/L	0.0524	0.167	0.293	with Chemical Suppression of	06/04/2020	KAP
Sulfate (SO ₄ ²⁻) ^A	mg/L	0.0567	0.181	9.75	Eluent Conductivity	06/04/2020	KAP
Iron (Fe) ^A	mg/L	NA	0.005	0.020	2500 5 8 6 1 1 1 1	06/03/2020	KYA
Manganese (Mn) ^A	mg/L	NA	0.01	<0.010	3500-Fe B. Colorimetric	06/03/2020	KYA

REMARKS: Sample collection was performed by the LWC Field analyst/technician and were analyzed as submitted.

DEVIATIONS: No deviations noted on sample collection and submission.

NOTE: A Method is not part of DENR-ELR Recognized Parameters

LEGEND: ACU: Apparent Color Unit; NTU: Nephelometric Turbidity Unit; UO: Unobjectionable; NA: Not Applicable; MDL: Method Detection Limit;

LOQ: Limit of Quantification

METHOD REFERENCE: Standard Methods for the Examination of Water and Wastewater, 23rd Edition

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CUSTOMER NAME : Laguna AAAWater Corporation

ADDRESS : G/F One Evotech Bldg., Nuvali, Santa Rosa City, Laguna, Philippines

ATTENTION : N/A

SUMMARY OF LABORATORY ANALYSIS

DATE/TIME COLLECTION : 06/03/2020 11:54 COLLECTED BY : Edwin O. Aguilar / Elmer Palmares

NO. OF SAMPLES :1 TOTAL PARAMETERS TESTED :15

SAMPLE LOCATION : CLUBHOUSE, PRIMA CASA, BRGY. PLATERO, BIÑAN CITY, LAGUNA

SAMPLE CHARACTERISTICS : 2000 mL water sample in polyethylene bottle

PARAMETER(S)	UNIT	MDL	LOQ	RESULT(S)	METHOD(S)	ANALYSI	S
17 MAINTENES	Olili	IVIDE	ŁOQ	KESULI(S)	WETHOD(S)	DATE	BY
pH / Temperature	-/°C	NA	NA	7.94/30.2	4500-H ⁺ . Electrometric	06/03/2020	EOA
Residual Chlorine ^A	mg/L	0.063	0.20	<0.0630	4500-Cl-G.DPD Colorimetric	06/03/2020	EOA
Color	ACU	2	NA	<2	2120B. Visual Comparison (Pt-Co)	06/03/2020	KAP
Taste ^A	-	NA	NA	UO	2160. Sensory	06/03/2020	KAP
Odor ^A	-	NA	NA	UO	2150. Sensory	06/03/2020	KAP
Turbidity ^A	NTU	0.115	0.365	0.150	2130. Nephelometric	06/03/2020	KAP
Total Hardness as CaCO ₃ A	mg/L	0.469	1.49	168	2340C. EDTA Titrimetric	06/05/2020	KAP
Total Dissolved Solids	mg/L	4.77	12.5	293	2540C. Gravimetric, dried @ 180°C	06/08/2020	KAP
Nitrate (NO₃⁻) ^A	mg/L	0.0574	0.183	<0.0574	44400 1 01	06/04/2020	KAP
Chloride (Cl ⁻) ^A	mg/L	0.0372	0.119	9.36	4110B. Ion Chromatography	06/04/2020	KAP
Fluoride (F ⁻) ^A	mg/L	0.0524	0.167	0.293	with Chemical Suppression of	06/04/2020	KAP
Sulfate (SO ₄ ²⁻) ^A	mg/L	0.0567	0.181	9.85	Eluent Conductivity	06/04/2020	KAP
Iron (Fe) ^A	mg/L	NA	0.005	0.010	2500 5 . D. C. L	06/03/2020	KYA
Manganese (Mn) ^A	mg/L	NA	0.01	<0.010	3500-Fe B. Colorimetric	06/03/2020	KYA

REMARKS: Sample collection was performed by the LWC Field analyst/technician and were analyzed as submitted.

DEVIATIONS: No deviations noted on sample collection and submission.

NOTE: A Method is not part of DENR-ELR Recognized Parameters

LEGEND: ACU: Apparent Color Unit; NTU: Nephelometric Turbidity Unit; UO: Objectionable; NA: Not Applicable; MDL: Method Detection Limit; LOQ: Limit of Quantification

METHOD REFERENCE: Standard Methods for the Examination of Water and Wastewater, 23rd Edition

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CUSTOMER NAME : Laguna AAAWater Corporation

ADDRESS : G/F One Evotech Bldg., Nuvali, Santa Rosa City, Laguna, Philippines

ATTENTION : N/A

SUMMARY OF LABORATORY ANALYSIS

SAMPLE CODE : S20-3519 **DATE/TIME SUBMITTED** : 06/03/2020 12:40

DATE/TIME COLLECTION

: 06/03/2020 10:19

COLLECTED BY Edwin O. Aguilar / Elmer Palmares

TOTAL PARAMETERS TESTED

NO. OF SAMPLES SAMPLE LOCATION

: WATER PUMP, SPRING TIME, BRGY. PLATERO, BIÑAN CITY, LAGUNA

SAMPLE CHARACTERISTICS : 2000 mL water sample in polyethylene bottle

: 1

PARAMETER(S)	UNIT	MDL	LOQ	RESULT(S)	MATTIOD(C)	ANALYSI	S
PARAMETER(3)	ONT	IVIDE	LOQ	KESULI(S)	METHOD(S)	DATE	BY
pH / Temperature	-/°C	NA	NA	7.06/27.9	4500-H ⁺ . Electrometric	06/03/2020	EOA
Residual Chlorine ^A	mg/L	0.063	0.20	0.140	4500-CI-G.DPD Colorimetric	06/03/2020	EOA
Color	ACU	2	NA	<2	2120B. Visual Comparison (Pt-Co)	06/03/2020	КАР
Taste ^A	-	NA	NA	UO	2160. Sensory	06/03/2020	KAP
Odor ^A	-	NA	NA	UO	2150. Sensory	06/03/2020	KAP
Turbidity ^A	NTU	0.115	0.365	0.300	2130. Nephelometric	06/03/2020	КАР
Total Hardness as CaCO ₃ ^A	mg/L	0.469	1.49	179	2340C. EDTA Titrimetric	06/05/2020	KAP
Total Dissolved Solids	mg/L	4.77	12.5	240	2540C. Gravimetric, dried @ 180°C	06/08/2020	KAP
Nitrate (NO₃⁻) ^A	mg/L	0.0574	0.183	<0.0574	44400 61 1	06/04/2020	KAP
Chloride (Cl ⁻) ^A	mg/L	0.0372	0.119	3.83	4110B. Ion Chromatography	06/04/2020	KAP
Fluoride (F ⁻) ^A	mg/L	0.0524	0.167	0.340	with Chemical Suppression of	06/04/2020	KAP
Sulfate (SO ₄ ²⁻) ^A	mg/L	0.0567	0.181	4.46	Eluent Conductivity	06/04/2020	KAP
Iron (Fe) ^A	mg/L	NA	0.005	0.17	2500 5- B. G-li	06/03/2020	KYA
Manganese (Mn) ^A	mg/L	NA	0.01	<0.010	3500-Fe B. Colorimetric	06/03/2020	KYA

REMARKS: Sample collection was performed by the LWC Field analyst/technician and were analyzed as submitted.

DEVIATIONS: No deviations noted on sample collection and submission.

NOTE: A Method is not part of DENR-ELR Recognized Parameters

LEGEND: ACU: Apparent Color Unit; NTU: Nephelometric Turbidity Unit; UO: Unobjectionable; NA: Not Applicable; MDL: Method Detection Limit;

LOQ: Limit of Quantification

METHOD REFERENCE: Standard Methods for the Examination of Water and Wastewater, 23rd Edition

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AUTHORIZED BY:

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CUSTOMER NAME : Laguna AAAWater Corporation

ADDRESS : G/F One Evotech Bldg., Nuvali, Santa Rosa City, Laguna, Philippines

ATTENTION : N/A

SUMMARY OF LABORATORY ANALYSIS

SAMPLE CODE : S20-3520 **DATE/TIME SUBMITTED** : 06/03/2020 12:40

DATE/TIME COLLECTION : 06/03/2020 10:25 **COLLECTED BY** : Edwin O. Aguilar / Elmer Palmares

NO. OF SAMPLES : 1 **TOTAL PARAMETERS TESTED**

SAMPLE LOCATION : BLOCK 1 LOT 17, SPRING TIME, BRGY. PLATERO, BIÑAN CITY, LAGUNA

SAMPLE CHARACTERISTICS : 2000 mL water sample in polyethylene bottle

PARAMETER(S)	UNIT	MDL	LOQ	RESULT(S)	MAETHOD/S)	ANALYSI	S
- AMAINETEN(3)	ONI	MIDE	LOQ	KESULI(S)	METHOD(S)	DATE	BY
pH / Temperature	-/°C	NA	NA	7.28/28.7	4500-H ⁺ . Electrometric	06/03/2020	EOA
Residual Chlorine ^A	mg/L	0.063	0.20	0.180	4500-CI-G.DPD Colorimetric	06/03/2020	EOA
Color	ACU	2	NA	<2	2120B. Visual Comparison (Pt- Co)	06/03/2020	KAP
Taste ^A	-	NA	NA	UO	2160. Sensory	06/03/2020	KAP
Odor ^A	-	NA	NA	UO	2150. Sensory	06/03/2020	KAP
Turbidity ^A	NTU	0.115	0.365	0.300	2130. Nephelometric	06/03/2020	KAP
Total Hardness as CaCO ₃ ^A	mg/L	0.469	1.49	182	2340C. EDTA Titrimetric	06/05/2020	KAP
Total Dissolved Solids	mg/L	4.77	12.5	260	2540C. Gravimetric, dried @ 180°C	06/08/2020	КАР
Nitrate (NO₃⁻) ^A	mg/L	0.0574	0.183	<0.0574	44400 1 01	06/04/2020	KAP
Chloride (Cl ⁻) ^A	mg/L	0.0372	0.119	3.82	4110B. Ion Chromatography	06/04/2020	KAP
Fluoride (F ⁻) ^A	mg/L	0.0524	0.167	0.338	with Chemical Suppression of	06/04/2020	KAP
Sulfate (SO ₄ ²⁻) ^A	mg/L	0.0567	0.181	4.45	Eluent Conductivity	06/04/2020	KAP
Iron (Fe) ^A	mg/L	NA	0.005	0.17	3500 5a D. Caladian Addi	06/03/2020	KYA
Manganese (Mn) ^A	mg/L	NA	0.01	<0.01	3500-Fe B. Colorimetric	06/03/2020	KYA

REMARKS: Sample collection was performed by the LWC Field analyst/technician and were analyzed as submitted.

DEVIATIONS: No deviations noted on sample collection and submission.

NOTE: A Method is not part of DENR-ELR Recognized Parameters

LEGEND: ACU: Apparent Color Unit; NTU: Nephelometric Turbidity Unit; UO: Unobjectionable; NA: Not Applicable; MDL: Method Detection Limit;

LOQ: Limit of Quantification

METHOD REFERENCE: Standard Methods for the Examination of Water and Wastewater, 23rd Edition

NOT VALID WITHOUT QR STAMP

CERTIFIED CORRECT BY:

AUTHORIZED BY:

KRISTEENY. ALDAY, RCh Analytical Services Unit Manager

PRC License No. 0013295

S. GUTIERREZ, RMT Laboratory Services Manager License No. PRC 0060968



DOH Accredited Testing Laboratory (04A-001-1820-LW-2) DENR Environmental Laboratory Recognition (ELR Code 04-30) PNRI (RML No. Y04.04132.17) PRC Certificate of Authority to Operate No. 111

PNP (License No. PDD03-230616-04201)

ADDRESS: 8 North Science Avenue, Laguna Technopark Inc., Brgy. Biñan (Poblacion), Biñan City, Laguna

CONTACT NO.: (049) 543-1916 WEBSITE: www.lagunawater.com.ph

CUSTOMER NAME : Laguna AAAWater Corporation

ADDRESS : G/F One Evotech Bldg., Nuvali, Santa Rosa City, Laguna, Philippines

ATTENTION : N/A

SUMMARY OF LABORATORY ANALYSIS

SAMPLE CODE : S20-3613 **DATE/TIME SUBMITTED** : 06/08/2020 15:10

DATE/TIME COLLECTION : 06/08/2020 11:16 **COLLECTED BY** : Edwin O. Aguilar

NO. OF SAMPLES :1 **TOTAL PARAMETERS TESTED** : 15

SAMPLE LOCATION : WATER PUMP, SOUTH PLAINS II SUBDIVISION, BRGY. SANTO TOMAS, BIÑAN CITY, LAGUNA

SAMPLE CHARACTERISTICS : 2000 mL water sample in polyethylene bottle

PARAMETER(S)	UNIT	MDL	LOQ	RESULT(S)	MAETHOD/S)	ANALYSI	S
· Allantic rental	OHII	IVIDE	LOQ	KESULI(S)	METHOD(S)	DATE	BY
pH / Temperature	-/°C	NA	NA	7.10/29.7	4500-H ⁺ . Electrometric	06/08/2020	EOA
Residual Chlorine ^A	mg/L	0.063	0.20	0.180	4500-Cl-G.DPD Colorimetric	06/08/2020	EOA
Color	ACU	2	NA	<2	2120B. Visual Comparison (Pt-Co)	06/08/2020	KAP
Taste ^A	_	NA	NA	UO	2160. Sensory	06/08/2020	KAP
Odor ^A	-	NA	NA	UO	2150. Sensory	06/08/2020	KAP
Turbidity ^A	NTU	0.115	0.365	<0.115	2130. Nephelometric	06/09/2020	KAP
Total Hardness as CaCO ₃ ^A	mg/L	0.469	1.49	170	2340C. EDTA Titrimetric	06/11/2020	KAP
Total Dissolved Solids	mg/L	4.77	12.5	293	2540C. Gravimetric, dried @ 180°C	06/11/2020	KAP
Nitrate (NO₃-) ^A	mg/L	0.0574	0.183	1.13		06/09/2020	KAP
Chloride (Cl ⁻) ^A	mg/L	0.0372	0.119	4.17	4110B. Ion Chromatography	06/09/2020	KAP
Fluoride (F ⁻) ^A	mg/L	0.0524	0.167	0.333	with Chemical Suppression of	06/09/2020	KAP
Sulfate (SO ₄ ²⁻) ^A	mg/L	0.0567	0.181	5.33	Eluent Conductivity	06/09/2020	KAP
Iron (Fe) ^A	mg/L	NA	0.005	0.090	2500 5 . D. C. L	06/11/2020	KYA
Manganese (Mn) ^A	mg/L	NA	0.01	<0.010	3500-Fe B. Colorimetric	06/11/2020	KYA

REMARKS: Sample collection was performed by the LWC Field analyst/technician and were analyzed as submitted.

DEVIATIONS: No deviations noted on sample collection and submission.

NOTE: A Method is not part of DENR-ELR Recognized Parameters

LEGEND: ACU: Apparent Color Unit; NTU: Nephelometric Turbidity Unit; UO: Unobjectionable; NA: Not Applicable; MDL: Method Detection Limit;

LOQ: Limit of Quantification

METHOD REFERENCE: Standard Methods for the Examination of Water and Wastewater, 23rd Edition

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CERTIFIED CORRECT BY:

AUTHORIZED BY:

ANNA KARLA'S, GUTLERREZ, RMT

KRISTEEN Y. ALDAY, RCh Analytical Services Unit Manager PRC License No. 0013295

Laboratory Services Manager License No. PRC 0060968



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CUSTOMER NAME : Laguna AAAWater Corporation

ADDRESS : G/F One Evotech Bldg., Nuvali, Santa Rosa City, Laguna, Philippines

ATTENTION : N/A

SUMMARY OF LABORATORY ANALYSIS

SAMPLE CODE : S20-3614 **DATE/TIME SUBMITTED**

: 06/08/2020 15:10

DATE/TIME COLLECTION

: 06/08/2020 11:34

COLLECTED BY

: Edwin O. Aguilar

NO. OF SAMPLES

: 1

TOTAL PARAMETERS TESTED

SAMPLE LOCATION

: BLOCK 11 LOT 2, SOUTH PLAINS II SUBDIVISION, BRGY. SANTO TOMAS, BIÑAN CITY, LAGUNA

SAMPLE CHARACTERISTICS : 2000 mL water sample in polyethylene bottle

PARAMETER(S)	UNIT	MDL	LOQ	RESULT(S)	METHOD(C)	ANALYSI	S
TARAMETER(3)	OMIT	MIDE	LOQ	KESULI(S)	METHOD(S)	DATE	BY
pH / Temperature	-/°C	NA	NA	7.14/30.1	4500-H ⁺ . Electrometric	06/08/2020	EOA
Residual Chlorine ^A	mg/L	0.063	0.20	0.140	4500-CI-G.DPD Colorimetric	06/08/2020	EOA
Color	ACU	2	NA	<2	2120B. Visual Comparison (Pt-Co)	06/08/2020	KAP
Taste ^A	-	NA	NA	UO	2160. Sensory	06/08/2020	КАР
Odor ^A	-	NA	NA	UO	2150. Sensory	06/08/2020	KAP
Turbidity ^A	NTU	0.115	0.365	0.150	2130. Nephelometric	06/09/2020	KAP
Total Hardness as CaCO ₃ ^A	mg/L	0.469	1.49	184	2340C. EDTA Titrimetric	06/11/2020	KAP
Total Dissolved Solids	mg/L	4.77	12.5	300	2540C. Gravimetric, dried @ 180°C	06/11/2020	KAP
Nitrate (NO₃⁻) ^A	mg/L	0.0574	0.183	1.15		06/09/2020	KAP
Chloride (Cl ⁻) ^A	mg/L	0.0372	0.119	4.17	4110B. Ion Chromatography	06/09/2020	KAP
Fluoride (F ⁻) ^A	mg/L	0.0524	0.167	0.335	with Chemical Suppression of	06/09/2020	KAP
Sulfate (SO ₄ ²⁻) ^A	mg/L	0.0567	0.181	5.42	Eluent Conductivity	06/09/2020	KAP
Iron (Fe) ^A	mg/L	NA	0.005	0.030	3500 5- B Color	06/11/2020	KYA
Manganese (Mn) ^A	mg/L	NA	0.01	<0.010	3500-Fe B. Colorimetric	06/11/2020	KYA

REMARKS: Sample collection was performed by the LWC Field analyst/technician and were analyzed as submitted.

DEVIATIONS: No deviations noted on sample collection and submission.

NOTE: A Method is not part of DENR-ELR Recognized Parameters

LEGEND: ACU: Apparent Color Unit; NTU: Nephelometric Turbidity Unit; UO: Unobjectionable; NA: Not Applicable; MDL: Method Detection Limit;

LOQ: Limit of Quantification

METHOD REFERENCE: Standard Methods for the Examination of Water and Wastewater, 23rd Edition

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CERTIFIED CORRECT BY:

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ATTENTION : N/A

SUMMARY OF LABORATORY ANALYSIS

SAMPLE CODE : **S20-3615 DATE/TIME SUBMITTED** : 06/08/2020 15:10

DATE/TIME COLLECTION : 06/08/2020 11:57 COLLECTED BY : Edwin O. Aguilar

NO. OF SAMPLES :1 TOTAL PARAMETERS TESTED :15

SAMPLE LOCATION : TAWI TAWI ST., SOUTH CITY HOMES SUBDIVISION, BRGY. SANTO TOMAS. BINAN CITY

SAMPLE CHARACTERISTICS : 2000 mL water sample in polyethylene bottle

DADAMETED/C\	LINUT	MADI	100	DECLUTIO)	MATTHOD(C)	ANALYSIS	S
PARAMETER(S)	UNIT	MDL	LOQ	RESULT(S)	METHOD(S)	DATE	BY
pH / Temperature	-/°C	NA	NA	7.18/29.7	4500-H ⁺ . Electrometric	06/08/2020	EOA
Residual Chlorine ^A	mg/L	0.063	0.20	0.220	4500-CI-G.DPD Colorimetric	06/08/2020	EOA
Color	ACU	2	NA	<2	2120B. Visual Comparison (Pt- Co)	06/08/2020	KAP
Taste ^A	-	NA	NA	UO	2160. Sensory	06/08/2020	KAP
Odor ^A		NA	NA	UO	2150. Sensory	06/08/2020	KAP
Turbidity ^A	NTU	0.115	0.365	<0.115	2130. Nephelometric	06/09/2020	KAP
Total Hardness as CaCO ₃ ^A	mg/L	0.469	1.49	164	2340C. EDTA Titrimetric	06/11/2020	KAP
Total Dissolved Solids	mg/L	4.77	12.5	310	2540C. Gravimetric, dried @ 180°C	06/11/2020	KAP
Nitrate (NO₃⁻) ^A	mg/L	0.0574	0.183	1.14	44400 0	06/09/2020	KAP
Chloride (Cl ⁻) ^A	mg/L	0.0372	0.119	4.15	4110B. Ion Chromatography	06/09/2020	KAP
Fluoride (F ⁻) ^A	mg/L	0.0524	0.167	0.334	with Chemical Suppression of	06/09/2020	KAP
Sulfate (SO ₄ ²⁻) ^A	mg/L	0.0567	0.181	5.42	Eluent Conductivity	06/09/2020	KAP
Iron (Fe) ^A	mg/L	NA	0.005	0.070	2500 Fa B. Calarimatria	06/11/2020	KYA
Manganese (Mn) ^A	mg/L	NA	0.01	<0.010	3500-Fe B. Colorimetric	06/11/2020	KYA

REMARKS: Sample collection was performed by the LWC Field analyst/technician and were analyzed as submitted.

DEVIATIONS: No deviations noted on sample collection and submission.

NOTE: A Method is not part of DENR-ELR Recognized Parameters

LEGEND: ACU: Apparent Color Unit; NTU: Nephelometric Turbidity Unit; UO: Unobjectionable; NA: Not Applicable; MDL: Method Detection Limit;

LOQ: Limit of Quantification

METHOD REFERENCE: Standard Methods for the Examination of Water and Wastewater, 23rd Edition

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CERTIFIED CORRECT BY:

AUTHORIZED BY:

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CUSTOMER NAME : Laguna AAAWater Corporation

ADDRESS : G/F One Evotech Bldg., Nuvali, Santa Rosa City, Laguna, Philippines

ATTENTION : N/A

SUMMARY OF LABORATORY ANALYSIS

SAMPLE CODE : **S20-3616 DATE/TIME SUBMITTED** : 06/08/2020 15:10

DATE/TIME COLLECTION : 06/08/2020 12:42 COLLECTED BY : Edwin O. Aguilar

NO. OF SAMPLES :1 TOTAL PARAMETERS TESTED :15

SAMPLE LOCATION : #60 FLORINDA COMPOUND, MANILA S ROAD, BRGY. TUBIGAN, BIÑAN CITY, LAGUNA

SAMPLE CHARACTERISTICS : 2000 mL water sample in polyethylene bottle

PARAMETER(S)	UNIT	MDL	LOQ	RESULT(S)	METHOD(S)	ANALYSI	S
TATAMETER(5)	OHII	IVIDE	LOQ	KESOLI(S)	METHOD(S)	DATE	BY
pH / Temperature	-/°C	NA	NA	7.14/30.1	4500-H ⁺ . Electrometric	06/08/2020	EOA
Residual Chlorine ^A	mg/L	0.063	0.20	0.270	4500-CI-G.DPD Colorimetric	06/08/2020	EOA
Color	ACU	2	NA	<2	2120B. Visual Comparison (Pt-Co)	06/08/2020	KAP
Taste ^A	-	NA	NA	UO	2160. Sensory	06/08/2020	KAP
Odor ^A	-	NA	NA	UO	2150. Sensory	06/08/2020	KAP
Turbidity ^A	NTU	0.115	0.365	0.300	2130. Nephelometric	06/09/2020	KAP
Total Hardness as CaCO ₃ ^A	mg/L	0.469	1.49	183	2340C. EDTA Titrimetric	06/11/2020	KAP
Total Dissolved Solids	mg/L	4.77	12.5	300	2540C. Gravimetric, dried @ 180°C	06/11/2020	KAP
Nitrate (NO₃⁻) ^A	mg/L	0.0574	0.183	3.88		06/09/2020	KAP
Chloride (Cl ⁻) ^A	mg/L	0.0372	0.119	4.23	4110B. Ion Chromatography	06/09/2020	KAP
Fluoride (F ⁻) ^A	mg/L	0.0524	0.167	0.296	with Chemical Suppression of	06/09/2020	KAP
Sulfate (SO ₄ ²⁻) ^A	mg/L	0.0567	0.181	6.49	Eluent Conductivity	06/09/2020	KAP
iron (Fe) ^A	mg/L	NA	0.005	0.090	2500 5 5 6 4 4 4 4	06/11/2020	KYA
Manganese (Mn) ^A	mg/L	NA	0.01	<0.010	3500-Fe B. Colorimetric	06/11/2020	KYA

REMARKS: Sample collection was performed by the LWC Field analyst/technician and were analyzed as submitted.

DEVIATIONS: No deviations noted on sample collection and submission.

NOTE: A Method is not part of DENR-ELR Recognized Parameters

LEGEND: ACU: Apparent Color Unit; NTU: Nephelometric Turbidity Unit; UO: Unobjectionable; NA: Not Applicable; MDL: Method Detection Limit;

LOQ: Limit of Quantification

METHOD REFERENCE: Standard Methods for the Examination of Water and Wastewater, 23rd Edition

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CERTIFIED CORRECT BY:

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CUSTOMER NAME : Laguna AAAWater Corporation

ADDRESS : G/F One Evotech Bldg., Nuvali, Santa Rosa City, Laguna, Philippines

ATTENTION : N/A

SUMMARY OF LABORATORY ANALYSIS

SAMPLE CODE

: S20-3617

DATE/TIME SUBMITTED

: 06/08/2020 15:10

DATE/TIME COLLECTION

06/08/2020 10:20

COLLECTED BY

: Edwin O. Aguilar

NO. OF SAMPLES

: 1

TOTAL PARAMETERS TESTED

: 15

SAMPLE LOCATION

: BLOCK 3 LOT 9, PHASE II, SOUTHVILLE, BRGY.LANGKIWA, BIÑAN CITY, LAGUNA

SAMPLE CHARACTERISTICS

: 2000 mL water sample in polyethylene bottle

PARAMETER(S)	UNIT	MDL	LOQ	RESULT(S)	METHOD/S)	ANALYSI	S
		MDE	LOQ	ALSOLI(S)	METHOD(S)	DATE	BY
pH / Temperature	-/°C	NA	NA	7.16/29.7	4500-H ⁺ . Electrometric	06/08/2020	EOA
Residual Chlorine ^A	mg/L	0.063	0.20	0.300	4500-Cl-G.DPD Colorimetric	06/08/2020	EOA
Color	ACU	2	NA	<2	2120B. Visual Comparison (Pt-Co)	06/08/2020	KAP
Taste ^A	-	NA	NA	UO	2160. Sensory	06/08/2020	KAP
Odor ^A	-	NA	NA	UO	2150. Sensory	06/08/2020	KAP
Turbidity ^A	NTU	0.115	0.365	0.250	2130. Nephelometric	06/09/2020	KAP
Total Hardness as CaCO ₃ A	mg/L	0.469	1.49	184	2340C. EDTA Titrimetric	06/11/2020	KAP
Total Dissolved Solids	mg/L	4.77	12.5	277	2540C. Gravimetric, dried @ 180°C	06/11/2020	KAP
Nitrate (NO₃⁻) ^A	mg/L	0.0574	0.183	3.87		06/09/2020	KAP
Chloride (Cl ⁻) ^A	mg/L	0.0372	0.119	4.19	4110B. Ion Chromatography	06/09/2020	KAP
Fluoride (F ⁻) ^A	mg/L	0.0524	0.167	0.298	with Chemical Suppression of	06/09/2020	KAP
Sulfate (SO ₄ ²⁻) ^A	mg/L	0.0567	0.181	6.50	Eluent Conductivity	06/09/2020	KAP
Iron (Fe) ^A	mg/L	NA	0.005	0.090	2500 5 0 0 1 1 11	06/11/2020	KYA
Manganese (Mn) ^A	mg/L	NA	0.01	<0.010	3500-Fe B. Colorimetric	06/11/2020	KYA

REMARKS: Sample collection was performed by the LWC Field analyst/technician and were analyzed as submitted.

DEVIATIONS: No deviations noted on sample collection and submission.

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LOQ: Limit of Quantification

METHOD REFERENCE: Standard Methods for the Examination of Water and Wastewater, 23rd Edition

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AUTHORIZED BY:

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CUSTOMER NAME : Laguna AAAWater Corporation

ADDRESS : G/F One Evotech Bldg., Nuvali, Santa Rosa City, Laguna, Philippines

ATTENTION : N/A

SUMMARY OF LABORATORY ANALYSIS

SAMPLE CODE : S20-3618 **DATE/TIME SUBMITTED** : 06/08/2020 15:10 **DATE/TIME COLLECTION** : 06/08/2020 12:18 **COLLECTED BY** : Edwin O. Aguilar

NO. OF SAMPLES : 1 **TOTAL PARAMETERS TESTED**

: DRINKING FOUNTAIN, SAN VICENTE ELEMENTARY SCHOOL, BRGY. SAN VICENTE, BIÑAN CITY, SAMPLE LOCATION

LAGUNA

SAMPLE CHARACTERISTICS : 2000 mL water sample in polyethylene bottle

SAMI EL CHAMACIEN	1101103	. 2000 IIIL V	vater sample i	n polyetnylene b	ottie		
PARAMETER(S)	UNIT	MDL	LOQ	RESULT(S)	METHOD(S)	ANALYSI	S
TANAMETER(5)	Oitil	IVIDE	LOQ	KESULI(S)	WETHOD(S)	DATE	BY
pH / Temperature	-/°C	NA	NA	7.21/30.6	4500-H ⁺ . Electrometric	06/08/2020	EOA
Residual Chlorine ^A	mg/L	0.063	0.20	0.250	4500-CI-G.DPD Colorimetric	06/08/2020	EOA
Color	ACU	2	NA	<2	2120B. Visual Comparison (Pt-Co)	06/08/2020	KAP
Taste ^A	-	NA	NA	UO	2160. Sensory	06/08/2020	KAP
Odor ^A	-	NA	NA	UO	2150. Sensory	06/08/2020	KAP
Turbidity ^A	NTU	0.115	0.365	<0.115	2130. Nephelometric	06/09/2020	KAP
Total Hardness as CaCO ₃ A	mg/L	0.469	1.49	177	2340C. EDTA Titrimetric	06/11/2020	KAP
Total Dissolved Solids	mg/L	4.77	12.5	317	2540C. Gravimetric, dried @ 180°C	06/11/2020	КАР
Nitrate (NO ₃ -) ^A	mg/L	0.0574	0.183	0.580		06/09/2020	KAP
Chloride (Cl ⁻) ^A	mg/L	0.0372	0.119	4.50	4110B. Ion Chromatography	06/09/2020	KAP
Fluoride (F ⁻) ^A	mg/L	0.0524	0.167	0.326	with Chemical Suppression of	06/09/2020	KAP
Sulfate (SO ₄ ²⁻) ^A	mg/L	0.0567	0.181	4.64	Eluent Conductivity	06/09/2020	KAP
Iron (Fe) ^A	mg/L	NA	0.005	0.030	2500 5 0 0 1 1 11	06/11/2020	КУА
Manganese (Mn) ^A	mg/L	NA	0.01	0.010	3500-Fe B. Colorimetric	06/11/2020	KYA

REMARKS: Sample collection was performed by the LWC Field analyst/technician and were analyzed as submitted.

DEVIATIONS: No deviations noted on sample collection and submission.

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LOQ: Limit of Quantification

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DOH Accredited Testing Laboratory (04A-001-1820-LW-2) DENR Environmental Laboratory Recognition (ELR Code 04-30) PNRI (RML No. Y04.04132.17) PRC Certificate of Authority to Operate No. 111

PNP (License No. PDD03-230616-04201)

ADDRESS: 8 North Science Avenue, Laguna Technopark Inc., Brgy. Biñan (Poblacion), Biñan City, Laguna

CONTACT NO.: (049) 543-1916 WEBSITE: www.lagunawater.com.ph

CUSTOMER NAME : Laguna AAAWater Corporation

ADDRESS : G/F One Evotech Bldg., Nuvali, Santa Rosa City, Laguna, Philippines

ATTENTION : N/A

SUMMARY OF LABORATORY ANALYSIS

SAMPLE CODE : S20-3619 **DATE/TIME SUBMITTED**

: 06/08/2020 15:10

DATE/TIME COLLECTION

: 06/08/2020 13:20

COLLECTED BY

: Edwin O. Aguilar

NO. OF SAMPLES

: 1

SAMPLE LOCATION

TOTAL PARAMETERS TESTED : 15 : BLOCK 12 LOT 5, PAPAYA ST., PHASE VII, OLIVAREZ HOMES SUBDIVISION, BRGY. SNA VICENTE,

BIÑAN CITY, LAGUNA

SAMPLE CHARACTERISTICS

: 2000 mL water sample in polyethylene bottle

PARAMETER(S)	UNIT	MDL	LOQ	RESULT(S)	METHOD(S)	ANALYSI	S
	VIIII		Loq	RESULT(S)	IVIE I HOD(S)	DATE	BY
pH / Temperature	-/°C	NA	NA	7.13/28.1	4500-H ⁺ . Electrometric	06/08/2020	EOA
Residual Chlorine ^A	mg/L	0.063	0.20	0.320	4500-Cl-G.DPD Colorimetric	06/08/2020	EOA
Color	ACU	2	NA	<2	2120B. Visual Comparison (Pt-Co)	06/08/2020	KAP
Taste ^A	-	NA	NA	UO	2160. Sensory	06/08/2020	KAP
Odor ^A		NA	NA	UO	2150. Sensory	06/08/2020	KAP
Turbidity ^A	NTU	0.115	0.365	0.150	2130. Nephelometric	06/09/2020	KAP
Total Hardness as CaCO ₃ A	mg/L	0.469	1.49	184	2340C. EDTA Titrimetric	06/11/2020	KAP
Total Dissolved Solids	mg/L	4.77	12.5	267	2540C. Gravimetric, dried @ 180°C	06/11/2020	KAP
Nitrate (NO₃⁻) ^A	mg/L	0.0574	0.183	0.595		06/09/2020	KAP
Chloride (Cl ⁻) ^A	mg/L	0.0372	0.119	4.48	4110B. Ion Chromatography	06/09/2020	KAP
Fluoride (F ⁻) ^A	mg/L	0.0524	0.167	0.325	with Chemical Suppression of	06/09/2020	KAP
Sulfate (SO ₄ ²⁻) ^A	mg/L	0.0567	0.181	4.59	Eluent Conductivity	06/09/2020	KAP
Iron (Fe) ^A	mg/L	NA	0.005	0.080	2500 5 8 6 1 :	06/11/2020	KYA
Manganese (Mn) ^A	mg/L	NA	0.01	0.030	3500-Fe B. Colorimetric	06/11/2020	KYA

REMARKS: Sample collection was performed by the LWC Field analyst/technician and were analyzed as submitted.

DEVIATIONS: No deviations noted on sample collection and submission.

NOTE: A Method is not part of DENR-ELR Recognized Parameters

LEGEND: ACU: Apparent Color Unit; NTU: Nephelometric Turbidity Unit; UO: Unobjectionable; NA: Not Applicable; MDL: Method Detection Limit;

LOQ: Limit of Quantification

METHOD REFERENCE: Standard Methods for the Examination of Water and Wastewater, 23rd Edition

NOT VALID WITHOUT QR STAMP

CERTIFIED CORRECT BY:

AUTHORIZED BY:

KRISTEEN Y ALDAY, RCh Analytical Services Unit Manager PRC License No. 0013295

ANNA KARLA S. GUTIERREZ, RMT Laboratory Services Manager License No. PRC 0060968



DOH Accredited Testing Laboratory (04A-001-1820-LW-2)
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PRC Certificate of Authority to Operate No. 11: PNP (License No. PDD03-230616-04201)

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CONTACT NO.: (049) 543-1916
WEBSITE: www.lagunawater.com.ph

CUSTOMER NAME : Laguna AAAWater Corporation

ADDRESS : G/F One Evotech Bldg., Nuvali, Santa Rosa City, Laguna, Philippines

ATTENTION : N/A

SUMMARY OF LABORATORY ANALYSIS

SAMPLE CODE : S20-3620

DATE/TIME SUBMITTED : 06/08/2020 15:10

DATE/TIME COLLECTION

: 06/08/2020 13:10

COLLECTED BY

: Edwin O. Aguilar

NO. OF SAMPLES

: 1

SAMPLE LOCATION

: CISTERN, CENTRAL MALL BINAN, GEN. MALVAR ST. CORNER MANILA S. ROAD, BRGY. SAN

TOTAL PARAMETERS TESTED : 15

VICENTE, BIÑAN CITY, LAGUNA

SAMPLE CHARACTERISTICS

: 2000 mL water sample in polyethylene bottle

PARAMETER(S)	UNIT	MDL	LOQ	RESULT(S)	METHOD(C)	ANALYSI	S
TAIWHETEN(S)	Oilii	INIDE	LOQ	KESULI(S)	METHOD(S)	DATE	BY
pH / Temperature	-/°C	NA	NA	7.14/29.7	4500-H ⁺ . Electrometric	06/08/2020	EOA
Residual Chlorine ^A	mg/L	0.063	0.20	0.180	4500-CI-G.DPD Colorimetric	06/08/2020	EOA
Color	ACU	2	NA	<2	2120B. Visual Comparison (Pt-Co)	06/08/2020	KAP
Taste ^A	-	NA	NA	UO	2160. Sensory	06/08/2020	KAP
Odor ^A	-	NA	NA	UO	2150. Sensory	06/08/2020	KAP
Turbidity ^A	NTU	0.115	0.365	<0.115	2130. Nephelometric	06/09/2020	KAP
Total Hardness as CaCO ₃ A	mg/L	0.469	1.49	166	2340C. EDTA Titrimetric	06/11/2020	KAP
Total Dissolved Solids	mg/L	4.77	12.5	290	2540C. Gravimetric, dried @ 180°C	06/11/2020	KAP
Nitrate (NO₃⁻) ^A	mg/L	0.0574	0.183	1.17		06/09/2020	KAP
Chloride (Cl ⁻) ^A	mg/L	0.0372	0.119	4.21	4110B. Ion Chromatography	06/09/2020	KAP
Fluoride (F ⁻) ^A	mg/L	0.0524	0.167	0.334	with Chemical Suppression of	06/09/2020	KAP
Sulfate (SO ₄ ²⁻) ^A	mg/L	0.0567	0.181	5.43	Eluent Conductivity	06/09/2020	KAP
Iron (Fe) ^A	mg/L	NA	0.005	0.030	3500 5- 0 0-1- 1 1	06/11/2020	KYA
Manganese (Mn) ^A	mg/L	NA	0.01	0.010	3500-Fe B. Colorimetric	06/11/2020	KYA

REMARKS: Sample collection was performed by the LWC Field analyst/technician and were analyzed as submitted.

DEVIATIONS: No deviations noted on sample collection and submission.

NOTE: A Method is not part of DENR-ELR Recognized Parameters

LEGEND: ACU: Apparent Color Unit; NTU: Nephelometric Turbidity Unit; UO: Unobjectionable; NA: Not Applicable; MDL: Method Detection Limit;

LOQ: Limit of Quantification

METHOD REFERENCE: Standard Methods for the Examination of Water and Wastewater, 23rd Edition

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CERTIFIED CORRECT BY:

AUTHORIZED BY:

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CUSTOMER NAME : Laguna AAAWater Corporation

ADDRESS : G/F One Evotech Bldg., Nuvali, Santa Rosa City, Laguna, Philippines

ATTENTION : N/A

SUMMARY OF LABORATORY ANALYSIS

SAMPLE CODE : S20-3621 **DATE/TIME SUBMITTED** : 06/08/2020 15:10

DATE/TIME COLLECTION : 06/08/2020 11:00 **COLLECTED BY** : Edwin O. Aguilar

NO. OF SAMPLES :1 **TOTAL PARAMETERS TESTED** : 15

: WATER PUMP, AMSTERDAM ST., SOUTHVILLE TOWN AND COUNTRY, BRGY. SANTO TOMAS, SAMPLE LOCATION

BIÑAN CITY, LAGUNA

SAMPLE CHARACTERISTICS : 2000 mL water sample in polyethylene bottle

PARAMETER(S)	UNIT	MDL	LOQ	RESULT(S)	METHODIC	ANALYSI	S
1 AIGHTE LENGS)	ONT	IVIDL	LOQ	KESULI(S)	METHOD(S)	DATE	BY
pH / Temperature	-/°C	NA	NA	7.10/27.6	4500-H ⁺ . Electrometric	06/08/2020	EOA
Residual Chlorine ^A	mg/L	0.063	0.20	0.370	4500-Cl-G.DPD Colorimetric	06/08/2020	EOA
Color	ACU	2	NA	<2	2120B. Visual Comparison (Pt-Co)	06/08/2020	KAP
Taste ^A		NA	NA	UO	2160. Sensory	06/08/2020	KAP
Odor ^A	•	NA	NA	UO	2150. Sensory	06/08/2020	KAP
Turbidity ^A	NTU	0.115	0.365	<0.115	2130. Nephelometric	06/09/2020	KAP
Total Hardness as CaCO ₃ ^A	mg/L	0.469	1.49	164	2340C. EDTA Titrimetric	06/11/2020	KAP
Total Dissolved Solids	mg/L	4.77	12.5	293	2540C. Gravimetric, dried @ 180°C	06/11/2020	KAP
Nitrate (NO₃⁻) ^A	mg/L	0.0574	0.183	1.16	44405 1 01	06/09/2020	КАР
Chloride (Cl ⁻) ^A	mg/L	0.0372	0.119	4.29	4110B. Ion Chromatography	06/09/2020	KAP
Fluoride (F ⁻) ^A	mg/L	0.0524	0.167	0.333	with Chemical Suppression of	06/09/2020	KAP
Sulfate (SO ₄ ²⁻) ^A	mg/L	0.0567	0.181	5.43	Eluent Conductivity	06/09/2020	KAP
Iron (Fe) ^A	mg/L	NA	0.005	0.010	3500 Fa B. Calanina atria	06/11/2020	KYA
Manganese (Mn) ^A	mg/L	NA	0.01	0.010	3500-Fe B. Colorimetric	06/11/2020	KYA

REMARKS: Sample collection was performed by the LWC Field analyst/technician and were analyzed as submitted.

DEVIATIONS: No deviations noted on sample collection and submission.

NOTE: A Method is not part of DENR-ELR Recognized Parameters

LEGEND: ACU: Apparent Color Unit; NTU: Nephelometric Turbidity Unit; UO: Unobjectionable; NA: Not Applicable; MDL: Method Detection Limit;

LOQ: Limit of Quantification

METHOD REFERENCE: Standard Methods for the Examination of Water and Wastewater, 23rd Edition

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CERTIFIED CORRECT BY:

AUTHORIZED BY:

KRISTEEN Y ALDAY, RCh Analytical Services Unit Manager

PRC License No. 0013295

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CONTACT NO.: (049) 543-1916 WEBSITE: www.lagunawater.com.ph

CUSTOMER NAME : Laguna AAAWater Corporation

ADDRESS : G/F One Evotech Bldg., Nuvali, Santa Rosa City, Laguna, Philippines

ATTENTION : N/A

SUMMARY OF LABORATORY ANALYSIS

SAMPLE CODE

: S20-3622

DATE/TIME SUBMITTED

: 06/08/2020 15:10

DATE/TIME COLLECTION

: 06/08/2020 10:47

COLLECTED BY

: Edwin O. Aguilar

NO. OF SAMPLES

:1

TOTAL PARAMETERS TESTED

: 15

SAMPLE LOCATION

: BLOCK 35 LOT 21, SOUTHVILLE TOWN AND COUNTRY, BRGY. SANTO TOMAS, BIÑAN CITY,

LAGUNA

SAMPLE CHARACTERISTICS

: 2000 mL water sample in polyethylene bottle

PARAMETER(S)	UNIT	MDL	LOQ	DECLUIT/C)	MATTIOD(C)	ANALYSI	S
1 AIGHTETER(5)	Oitii	IVIDE	ŁOQ	RESULT(S)	METHOD(S)	DATE	BY
pH / Temperature	-/°C	NA	NA	7.20/30.6	4500-H ⁺ . Electrometric	06/08/2020	EOA
Residual Chlorine ^A	mg/L	0.063	0.20	0.270	4500-CI-G.DPD Colorimetric	06/08/2020	EOA
Color	ACU	2	NA	<2	2120B. Visual Comparison (Pt-Co)	06/08/2020	KAP
Taste ^A	-	NA	NA	UO	2160. Sensory	06/08/2020	KAP
Odor ^A	-	NA	NA	UO	2150. Sensory	06/08/2020	KAP
Turbidity ^A	NTU	0.115	0.365	0.150	2130. Nephelometric	06/09/2020	KAP
Total Hardness as CaCO ₃ ^A	mg/L	0.469	1.49	164	2340C. EDTA Titrimetric	06/11/2020	KAP
Total Dissolved Solids	mg/L	4.77	12.5	317	2540C. Gravimetric, dried @ 180°C	06/11/2020	KAP
Nitrate (NO₃⁻) ^A	mg/L	0.0574	0.183	0.583	44400 1 61	06/09/2020	KAP
Chloride (Cl ⁻) ^A	mg/L	0.0372	0.119	4.57	4110B. Ion Chromatography	06/09/2020	KAP
Fluoride (F ⁻) ^A	mg/L	0.0524	0.167	0.328	with Chemical Suppression of	06/09/2020	KAP
Sulfate (SO ₄ ²⁻) ^A	mg/L	0.0567	0.181	4.58	Eluent Conductivity	06/09/2020	KAP
Iron (Fe) ^A	mg/L	NA	0.005	<0.005	3500 F. B. C.L	06/11/2020	KYA
Manganese (Mn) ^A	mg/L	NA	0.01	<0.010	3500-Fe B. Colorimetric	06/11/2020	KYA

REMARKS: Sample collection was performed by the LWC Field analyst/technician and were analyzed as submitted.

DEVIATIONS: No deviations noted on sample collection and submission.

NOTE: A Method is not part of DENR-ELR Recognized Parameters

LEGEND: ACU: Apparent Color Unit; NTU: Nephelometric Turbidity Unit; UO: Unobjectionable; NA: Not Applicable; MDL: Method Detection Limit;

LOQ: Limit of Quantification

METHOD REFERENCE: Standard Methods for the Examination of Water and Wastewater, 23rd Edition

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CERTIFIED CORRECT BY:

AUTHORIZED BY:

KRISTEEN Y. ALDAY, RCh Analytical Services Unit Manager PRC License No. 0013295

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DOH Accredited Testing Laboratory (04A-001-1820-LW-2) DENR Environmental Laboratory Recognition (ELR Code 04-30) PNRI (RML No. Y04.04132.17) PRC Certificate of Authority to Operate No. 111

: Elmer Palmares, Jr.

PNP (License No. PDD03-230616-04201)

ADDRESS: 8 North Science Avenue, Laguna Technopark Inc., Brgy. Biñan (Poblacion), Biñan City, Laguna

CONTACT NO.: (049) 543-1916 WEBSITE: www.lagunawater.com.ph

CUSTOMER NAME : Laguna AAAWater Corporation

ADDRESS : G/F One Evotech Bldg., Nuvali, Santa Rosa City, Laguna, Philippines

ATTENTION : N/A

DATE/TIME COLLECTION

SUMMARY OF LABORATORY ANALYSIS

COLLECTED BY

SAMPLE CODE : S20-3713 **DATE/TIME SUBMITTED** : 06/10/2020 15:40

NO. OF SAMPLES : 1 **TOTAL PARAMETERS TESTED** : 15

: 06/10/2020 12:52

: BRENNA MODEL HOUSE, BLOCK 90 LOT 5, LAGUNA BEL-AIR III, BRGY. LOMA, BIÑAN CITY, SAMPLE LOCATION

LAGUNA

SAMPLE CHARACTERISTICS : 2000 mL water sample in polyethylene bottle

PARAMETER(S)	UNIT	MDL	LOQ	RESULT(S)	METHOD(S)	ANALYSI:	S
TAIL TENED	ONT	IVIDE	LOQ	RESULT(S)	METHOD(S)	DATE	BY
pH / Temperature	-/°C	NA	NA	7.65/27.1	4500-H*. Electrometric	06/10/2020	EPF
Residual Chlorine ^A	mg/L	0.063	0.20	0.970	4500-CI-G.DPD Colorimetric	06/10/2020	EPF
Color	ACU	2	NA	5	2120B. Visual Comparison (Pt-Co)	06/11/2020	KAF
Taste ^A		NA	NA	UO	2160. Sensory	06/10/2020	KAF
Odor ^A		NA	NA	UO	2150. Sensory	06/10/2020	KAF
Turbidity ^A	NTU	0.115	0.365	0.550	2130. Nephelometric	06/11/2020	KAF
Total Hardness as CaCO ₃ ^A	mg/L	0.469	1.49	150	2340C. EDTA Titrimetric	06/11/2020	KAF
Total Dissolved Solids	mg/L	4.77	12.5	277	2540C. Gravimetric, dried @ 180°C	06/11/2020	KAF
Nitrate (NO₃⁻) ^A	mg/L	0.0574	0.183	4.63		06/10/2020	KAF
Chloride (Cl ⁻) ^A	mg/L	0.0372	0.119	5.62	4110B. Ion Chromatography	06/10/2020	KAF
Fluoride (F ⁻) ^A	mg/L	0.0524	0.167	0.299	with Chemical Suppression of	06/10/2020	KAF
Sulfate (SO ₄ ²⁻) ^A	mg/L	0.0567	0.181	6.95	Eluent Conductivity	06/10/2020	KAF
Iron (Fe) ^A	mg/L	NA	0.005	0.010	2500 Ft B Colorina Lie	06/11/2020	KYA
Manganese (Mn) ^A	mg/L	NA	0.01	0.010	3500-Fe B. Colorimetric	06/11/2020	KYA

REMARKS: Sample collection was performed by the LWC Field analyst/technician and were analyzed as submitted.

DEVIATIONS: No deviations noted on sample collection and submission.

NOTE: A Method is not part of DENR-ELR Recognized Parameters

LEGEND: ACU: Apparent Color Unit; NTU: Nephelometric Turbidity Unit; UO: Unobjectionable; NA: Not Applicable; MDL: Method Detection Limit;

LOQ: Limit of Quantification

METHOD REFERENCE: Standard Methods for the Examination of Water and Wastewater, 23rd Edition

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CERTIFIED CORRECT BY:

KRISTEEN Y. ALDAY, RCh Analytical Services Unit Manager PRC License No. 0013295

AUTHORIZED BY:

ANNA KARLA & GUTIERREZ, RMT Laboratory Services Manager License No. PRC 0060968



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CONTACT NO.: (049) 543-1916 WEBSITE: www.lagunawater.com.ph

CUSTOMER NAME : Laguna AAAWater Corporation

ADDRESS : G/F One Evotech Bldg., Nuvali, Santa Rosa City, Laguna, Philippines

ATTENTION : N/A

SUMMARY OF LABORATORY ANALYSIS

SAMPLE CODE : S20-3714 **DATE/TIME SUBMITTED** : 06/10/2020 15:40

DATE/TIME COLLECTION

: 06/10/2020 13:17

: Elmer Palmares, Jr.

NO. OF SAMPLES

: 1

: BLOCK 10 LOT 24, HILCREST ROAD, LAGUNA BEL-AIR III, BRGY. LOMA, BIÑAN CITY, LAGUNA

COLLECTED BY

SAMPLE LOCATION

TOTAL PARAMETERS TESTED

: 15

SAMPLE CHARACTERISTICS

: 2000 mL water sample in polyethylene bottle

PARAMETER(S)	UNIT	MDL	LOQ	RESULT(S)	METHOD/C)	ANALYSI:	S
TAIGHTETER(5)	ONIT	IVIDE	LOQ	KESULI(S)	METHOD(S)	DATE	BY
pH / Temperature	-/°C	NA	NA	7.52/27.5	4500-H ⁺ . Electrometric	06/10/2020	EPP
Residual Chlorine ^A	mg/L	0.063	0.20	0.820	4500-Cl-G.DPD Colorimetric	06/10/2020	EPP
Color	ACU	2	NA	<2	2120B. Visual Comparison (Pt-Co)	06/11/2020	KAP
Taste ^A	-	NA	NA	UO	2160. Sensory	06/10/2020	KAP
Odor ^A	-	NA	NA	UO	2150. Sensory	06/10/2020	KAP
Turbidity ^A	NTU	0.115	0.365	0.450	2130. Nephelometric	06/11/2020	KAP
Total Hardness as CaCO ₃ ^A	mg/L	0.469	1.49	155	2340C. EDTA Titrimetric	06/11/2020	KAP
Total Dissolved Solids	mg/L	4.77	12.5	273	2540C. Gravimetric, dried @ 180°C	06/11/2020	KAP
Nitrate (NO₃⁻) ^A	mg/L	0.0574	0.183	4.65	44400 1 01 1	06/10/2020	KAP
Chloride (Cl ⁻) ^A	mg/L	0.0372	0.119	5.61	4110B. Ion Chromatography	06/10/2020	KAP
Fluoride (F ⁻) ^A	mg/L	0.0524	0.167	0.293	with Chemical Suppression of	06/10/2020	KAP
Sulfate (SO ₄ ²⁻) ^A	mg/L	0.0567	0.181	7.04	Eluent Conductivity	06/10/2020	KAP
Iron (Fe) ^A	mg/L	NA	0.005	<0.005	2500 5- B. C-li	06/11/2020	KYA
Manganese (Mn) ^A	mg/L	NA	0.01	<0.010	3500-Fe B. Colorimetric	06/11/2020	KYA

REMARKS: Sample collection was performed by the LWC Field analyst/technician and were analyzed as submitted.

DEVIATIONS: No deviations noted on sample collection and submission.

NOTE: A Method is not part of DENR-ELR Recognized Parameters

LEGEND: ACU: Apparent Color Unit; NTU: Nephelometric Turbidity Unit; UO: Unobjectionable; NA: Not Applicable; MDL: Method Detection Limit;

LOQ: Limit of Quantification

METHOD REFERENCE: Standard Methods for the Examination of Water and Wastewater, 23rd Edition

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CERTIFIED CORRECT BY:

KRISTEEN Y ALDAY, RCh Analytical Services Unit Manager PRC License No. 0013295

S. GUTIERREZ, RMT Laboratory Services Manager License No. PRC 0060968

AUTHORIZED BY:



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CUSTOMER NAME : Laguna AAAWater Corporation

ADDRESS : G/F One Evotech Bldg., Nuvali, Santa Rosa City, Laguna, Philippines

ATTENTION : N/A

SUMMARY OF LABORATORY ANALYSIS

SAMPLE CODE : **S20-3715 DATE/TIME SUBMITTED** : 06/10/2020 15:40

DATE/TIME COLLECTION : 06/10/2020 13:20 COLLECTED BY : Elmer Palmares, Jr.

NO. OF SAMPLES : 1 TOTAL PARAMETERS TESTED : 15

SAMPLE LOCATION : CLUBHOUSE, LAGUNA BEL-AIR III, BRGY. LOMA, BIÑAN CITY, LAGUNA

SAMPLE CHARACTERISTICS : 2000 mL water sample in polyethylene bottle

PARAMETER(S)	UNIT	MDL	LOQ	RESULT(S)	MAETHOD(S)	ANALYSI:	S
- Albante Lengs	OIIII	IVIDE	LOQ	RESULT(S)	METHOD(S)	DATE	BY
pH / Temperature	-/°C	NA	NA	7.53/33.2	4500-H ⁺ . Electrometric	06/10/2020	EPP
Residual Chlorine ^A	mg/L	0.063	0.20	0.830	4500-CI-G.DPD Colorimetric	06/10/2020	EPP
Color	ACU	2	NA	<2	2120B. Visual Comparison (Pt-Co)	06/11/2020	KAP
Taste ^A	_	NA	NA	UO	2160. Sensory	06/10/2020	KAP
Odor ^A	-	NA	NA	UO	2150. Sensory	06/10/2020	KAP
Turbidity ^A	NTU	0.115	0.365	0.700	2130. Nephelometric	06/11/2020	KAP
Total Hardness as CaCO ₃ ^A	mg/L	0.469	1.49	159	2340C. EDTA Titrimetric	06/11/2020	KAP
Total Dissolved Solids	mg/L	4.77	12.5	257	2540C. Gravimetric, dried @ 180°C	06/11/2020	KAP
Nitrate (NO₃⁻) ^A	mg/L	0.0574	0.183	4.72	44100 1 01	06/10/2020	KAP
Chloride (Cl ⁻) ^A	mg/L	0.0372	0.119	5.58	4110B. Ion Chromatography	06/10/2020	KAP
Fluoride (F ⁻) ^A	mg/L	0.0524	0.167	0.295	with Chemical Suppression of	06/10/2020	KAP
Sulfate (SO ₄ ²⁻) ^A	mg/L	0.0567	0.181	7.01	Eluent Conductivity	06/10/2020	KAP
Iron (Fe) ^A	mg/L	NA	0.005	<0.005	2500 5 8 6 1	06/11/2020	KYA
Manganese (Mn) ^A	mg/L	NA	0.01	<0.010	3500-Fe B. Colorimetric	06/11/2020	KYA

REMARKS: Sample collection was performed by the LWC Field analyst/technician and were analyzed as submitted.

DEVIATIONS: No deviations noted on sample collection and submission.

NOTE: A Method is not part of DENR-ELR Recognized Parameters

LEGEND: ACU: Apparent Color Unit; NTU: Nephelometric Turbidity Unit; UO: Unobjectionable; NA: Not Applicable; MDL: Method Detection Limit;

LOQ: Limit of Quantification

METHOD REFERENCE: Standard Methods for the Examination of Water and Wastewater, 23rd Edition

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CERTIFIED CORRECT BY:

AUTHORIZED BY:

KRISTEEN Y ALDAY, RCh Analytical Services Unit Manager PRC License No. 0013295

ANNA KARLA S. GUTHERREZ, RMT Laboratory Services Manager License No. PRC 0060968



DOH Accredited Testing Laboratory (04A-001-1820-LW-2) DENR Environmental Laboratory Recognition (ELR Code 04-30) PNRI (RML No. Y04.04132.17) PRC Certificate of Authority to Operate No. 111

PNP (License No. PDD03-230616-04201)

ADDRESS: 8 North Science Avenue, Laguna Technopark Inc., Brgy. Biñan (Poblacion), Biñan City, Laguna

CONTACT NO.: (049) 543-1916 WEBSITE: www.lagunawater.com.ph

CUSTOMER NAME : Laguna AAAWater Corporation

ADDRESS : G/F One Evotech Bldg., Nuvali, Santa Rosa City, Laguna, Philippines

ATTENTION : N/A

SUMMARY OF LABORATORY ANALYSIS

SAMPLE CODE : S20-3716 **DATE/TIME SUBMITTED** : 06/10/2020 15:40

DATE/TIME COLLECTION : 06/10/2020 11:00 **COLLECTED BY** : Elmer Palmares, Jr.

NO. OF SAMPLES * 1 **TOTAL PARAMETERS TESTED** : 15

: BLOCK 2 LOT 5, PENNSYLVANIA ST., SOUTHVILLE TOWN AND COUNTRY, BRGY. SANTO TOMAS, SAMPLE LOCATION

BIÑAN CITY, LAGUNA

SAMPLE CHARACTERISTICS : 2000 mL water sample in polyethylene bottle

PARAMETER(S)	UNIT	MDL	LOQ	DECILITIES	METHOD(C)	ANALYSI	S
1 AIGHTEIR(5)	ONIT	IVIDE	LOQ	RESULT(S)	METHOD(S)	DATE	BY
pH / Temperature	-/°C	NA	NA	7.76/27.7	4500-H ⁺ . Electrometric	06/10/2020	EPP
Residual Chlorine ^A	mg/L	0.063	0.20	0.860	4500-Cl-G.DPD Colorimetric	06/10/2020	EPP
Color	ACU	2	NA	5	2120B. Visual Comparison (Pt-Co)	06/11/2020	КАР
Taste ^A	-	NA	NA	UO	2160. Sensory	06/10/2020	KAP
Odor ^A	-	NA	NA	UO	2150. Sensory	06/10/2020	KAP
Turbidity ^A	NTU	0.115	0.365	0.700	2130. Nephelometric	06/11/2020	KAP
Total Hardness as CaCO ₃ ^A	mg/L	0.469	1.49	164	2340C. EDTA Titrimetric	06/11/2020	KAP
Total Dissolved Solids	mg/L	4.77	12.5	290	2540C. Gravimetric, dried @ 180°C	06/11/2020	КАР
Nitrate (NO₃⁻) ^A	mg/L	0.0574	0.183	4.44		06/10/2020	KAP
Chloride (Cl ⁻) ^A	mg/L	0.0372	0.119	5.52	4110B. Ion Chromatography	06/10/2020	KAP
Fluoride (F ⁻) ^A	mg/L	0.0524	0.167	0.299	with Chemical Suppression of	06/10/2020	KAP
Sulfate (SO ₄ ²⁻) ^A	mg/L	0.0567	0.181	6.91	Eluent Conductivity	06/10/2020	KAP
Iron (Fe) ^A	mg/L	NA	0.005	<0.005	3500 F- D C-li	06/11/2020	KYA
Manganese (Mn) ^A	mg/L	NA	0.01	<0.010	3500-Fe B. Colorimetric	06/11/2020	KYA

REMARKS: Sample collection was performed by the LWC Field analyst/technician and were analyzed as submitted.

DEVIATIONS: No deviations noted on sample collection and submission.

NOTE: A Method is not part of DENR-ELR Recognized Parameters

LEGEND: ACU: Apparent Color Unit; NTU: Nephelometric Turbidity Unit; UO: Unobjectionable; NA: Not Applicable; MDL: Method Detection Limit;

LOQ: Limit of Quantification

METHOD REFERENCE: Standard Methods for the Examination of Water and Wastewater, 23rd Edition

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CERTIFIED CORRECT BY:

AUTHORIZED BY:

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CUSTOMER NAME: Laguna AAAWater Corporation

ADDRESS : G/F One Evotech Bldg., Nuvali, Santa Rosa City, Laguna, Philippines

ATTENTION : N/A

SUMMARY OF LABORATORY ANALYSIS

SAMPLE CODE : S20-3717 **DATE/TIME SUBMITTED** : 06/10/2020 15:40 **DATE/TIME COLLECTION** : 06/10/2020 11:09 **COLLECTED BY** : Elmer Palmares, Jr.

NO. OF SAMPLES • 1 **TOTAL PARAMETERS TESTED** : 15

: BLOCK 1 LOT 16, PHASE 4, OLIVAREZ HOMES SOUTH, BRGY. SANTO TOMAS, BIÑAN CITY, **SAMPLE LOCATION**

LAGUNA

SAMPLE CHARACTERISTICS : 2000 mL water sample in polyethylene bottle

PARAMETER(S)	UNIT	MDL	LOQ	RESULT(S)	METHOD(C)	ANALYSI	S
TAINTIETER(5)	01111	IVIDE	LOQ	KESULI(S)	METHOD(S)	DATE	BY
pH / Temperature	-/°C	NA	NA	7.80/27.9	4500-H ⁺ . Electrometric	06/10/2020	EPP
Residual Chlorine ^A	mg/L	0.063	0.20	1.03	4500-Cl-G.DPD Colorimetric	06/10/2020	EPP
Color	ACU	2	NA	<2	2120B. Visual Comparison (Pt-Co)	06/11/2020	KAP
Taste ^A	•	NA	NA	UO	2160. Sensory	06/10/2020	KAP
Odor ^A	-	NA	NA	UO	2150. Sensory	06/10/2020	KAP
Turbidity ^A	NTU	0.115	0.365	0.800	2130. Nephelometric	06/11/2020	KAP
Total Hardness as CaCO₃ ^A	mg/L	0.469	1.49	160	2340C. EDTA Titrimetric	06/11/2020	KAP
Total Dissolved Solids	mg/L	4.77	12.5	277	2540C. Gravimetric, dried @ 180°C	06/11/2020	KAP
Nitrate (NO₃⁻) ^A	mg/L	0.0574	0.183	4.69	44400	06/11/2020	KAP
Chloride (Cl ⁻) ^A	mg/L	0.0372	0.119	5.57	4110B. Ion Chromatography	06/11/2020	KAP
Fluoride (F ⁻) ^A	mg/L	0.0524	0.167	0.295	with Chemical Suppression of	06/11/2020	KAP
Sulfate (SO ₄ ²⁻) ^A	mg/L	0.0567	0.181	6.58	Eluent Conductivity	06/11/2020	KAP
Iron (Fe) ^A	mg/L	NA	0.005	<0.005	2500 5 0 6 1 1 1 1	06/11/2020	KYA
Manganese (Mn) ^A	mg/L	NA	0.01	<0.010	3500-Fe B. Colorimetric	06/11/2020	KYA

REMARKS: Sample collection was performed by the LWC Field analyst/technician and were analyzed as submitted.

DEVIATIONS: No deviations noted on sample collection and submission.

NOTE: A Method is not part of DENR-ELR Recognized Parameters

LEGEND: ACU: Apparent Color Unit; NTU: Nephelometric Turbidity Unit; UO: Unobjectionable; NA: Not Applicable; MDL: Method Detection Limit;

LOQ: Limit of Quantification

METHOD REFERENCE: Standard Methods for the Examination of Water and Wastewater, 23rd Edition

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AUTHORIZED BY:

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CUSTOMER NAME : Laguna AAAWater Corporation

ADDRESS : G/F One Evotech Bldg., Nuvali, Santa Rosa City, Laguna, Philippines

ATTENTION : N/A

SUMMARY OF LABORATORY ANALYSIS

SAMPLE CODE : S20-3718 **DATE/TIME SUBMITTED**

: 06/10/2020 15:40

DATE/TIME COLLECTION

: 06/10/2020 12:11

COLLECTED BY

: Elmer Palmares, Jr.

NO. OF SAMPLES

:1

: 15

SAMPLE LOCATION

TOTAL PARAMETERS TESTED : WATER PUMP, PRAGMATIC SUBDIVISION, BRGY. SANTO TOMAS, BIÑAN CITY, LAGUNA

SAMPLE CHARACTERISTICS : 2000 mL water sample in polyethylene bottle

PARAMETER(S)	UNIT	MDL	LOQ	RESULT(S)	METHOD(S)	ANALYSI	S
***************************************		IVIDE	LOQ	RESOLI(S)	WETHOD(S)	DATE	BY
pH / Temperature	-/°C	NA	NA	7.86/28.5	4500-H ⁺ . Electrometric	06/10/2020	EPP
Residual Chlorine ^A	mg/L	0.063	0.20	<0.063	4500-Cl-G.DPD Colorimetric	06/10/2020	EPP
Color	ACU	2	NA	5	2120B. Visual Comparison (Pt-Co)	06/11/2020	KAP
Taste ^A	-	NA	NA	UO	2160. Sensory	06/10/2020	KAP
Odor ^A	-	NA	NA	UO	2150. Sensory	06/10/2020	KAP
Turbidity ^A	NTU	0.115	0.365	1.00	2130. Nephelometric	06/11/2020	KAP
Total Hardness as CaCO ₃ A	mg/L	0.469	1.49	204	2340C. EDTA Titrimetric	06/11/2020	КАР
Total Dissolved Solids	mg/L	4.77	12.5	347	2540C. Gravimetric, dried @ 180°C	06/11/2020	KAP
Nitrate (NO₃⁻) ^A	mg/L	0.0574	0.183	<0.0574		06/11/2020	KAP
Chloride (Cl ⁻) ^A	mg/L	0.0372	0.119	7.30	4110B. Ion Chromatography	06/11/2020	KAP
Fluoride (F ⁻) ^A	mg/L	0.0524	0.167	0.326	with Chemical Suppression of	06/11/2020	KAP
Sulfate (SO ₄ ²⁻) ^A	mg/L	0.0567	0.181	8.69	Eluent Conductivity	06/11/2020	KAP
Iron (Fe) ^A	mg/L	NA	0.005	<0.005	2500 5 5 0 1 :	06/11/2020	KYA
Manganese (Mn) ^A	mg/L	NA	0.01	<0.010	3500-Fe B. Colorimetric	06/11/2020	KYA

REMARKS: Sample collection was performed by the LWC Field analyst/technician and were analyzed as submitted.

DEVIATIONS: No deviations noted on sample collection and submission.

NOTE: A Method is not part of DENR-ELR Recognized Parameters

LEGEND: ACU: Apparent Color Unit; NTU: Nephelometric Turbidity Unit; UO: Unobjectionable; NA: Not Applicable; MDL: Method Detection Limit;

LOQ: Limit of Quantification

METHOD REFERENCE: Standard Methods for the Examination of Water and Wastewater, 23rd Edition

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CUSTOMER NAME: Laguna AAAWater Corporation

ADDRESS : G/F One Evotech Bldg., Nuvali, Santa Rosa City, Laguna, Philippines

ATTENTION : N/A

SUMMARY OF LABORATORY ANALYSIS

SAMPLE CODE : **S20-3719 DATE/TIME SUBMITTED** : 06/10/2020 15:40

DATE/TIME COLLECTION : 06/10/2020 11:49 COLLECTED BY : Elmer Palmares, Jr.

NO. OF SAMPLES :1 TOTAL PARAMETERS TESTED :15

SAMPLE LOCATION : BLOCK 1 LOT 5, BAIS ST., PRAGMATIC SUBDIVISION, BRGY. SANTO TOMAS, BINAN CITY

SAMPLE CHARACTERISTICS : 2000 mL water sample in polyethylene bottle

PARAMETER(S)	UNIT	MDL	LOQ	RESULT(S)	METHOD(S)	ANALYSI	S
		WIDE	LOQ	RESULT(S)	METHOD(S)	DATE	BY
pH / Temperature	-/°C	NA	NA	7.98/29.4	4500-H ⁺ . Electrometric	06/10/2020	EPP
Residual Chlorine ^A	mg/L	0.063	0.20	0.100	4500-Cl-G.DPD Colorimetric	06/10/2020	EPP
Color	ACU	2	NA	<2	2120B. Visual Comparison (Pt- Co)	06/11/2020	KAP
Taste ^A	-	NA	NA	UO	2160. Sensory	06/10/2020	KAP
Odor ^A		NA	NA	UO	2150. Sensory	06/10/2020	KAP
Turbidity ^A	NTU	0.115	0.365	1.10	2130. Nephelometric	06/11/2020	KAP
Total Hardness as CaCO ₃ A	mg/L	0.469	1.49	213	2340C. EDTA Titrimetric	06/11/2020	KAP
Total Dissolved Solids	mg/L	4.77	12.5	350	2540C. Gravimetric, dried @ 180°C	06/11/2020	KAP
Nitrate (NO₃⁻) ^A	mg/L	0.0574	0.183	<0.0574		06/11/2020	KAP
Chloride (Cl ⁻) ^A	mg/L	0.0372	0.119	7.49	4110B. Ion Chromatography	06/11/2020	KAP
Fluoride (F ⁻) ^A	mg/L	0.0524	0.167	0.328	with Chemical Suppression of	06/11/2020	KAP
Sulfate (SO ₄ ²⁻) ^A	mg/L	0.0567	0.181	8.49	Eluent Conductivity	06/11/2020	KAP
Iron (Fe) ^A	mg/L	NA	0.005	<0.005	3500 5 . D. O. J	06/11/2020	KYA
Manganese (Mn) ^A	mg/L	NA	0.01	<0.010	3500-Fe B. Colorimetric	06/11/2020	KYA

REMARKS: Sample collection was performed by the LWC Field analyst/technician and were analyzed as submitted.

DEVIATIONS: No deviations noted on sample collection and submission.

NOTE: <u>A Method is not part of DENR-ELR Recognized Parameters</u>

LEGEND: ACU: Apparent Color Unit; NTU: Nephelometric Turbidity Unit; UO: Unobjectionable; NA: Not Applicable; MDL: Method Detection Limit;

LOQ: Limit of Quantification

METHOD REFERENCE: Standard Methods for the Examination of Water and Wastewater, 23rd Edition

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CERTIFIED CORRECT BY:

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CUSTOMER NAME : Laguna AAAWater Corporation

ADDRESS : G/F One Evotech Bldg., Nuvali, Santa Rosa City, Laguna, Philippines

ATTENTION : N/A

SUMMARY OF LABORATORY ANALYSIS

SAMPLE CODE : **S20-3720 DATE/TIME SUBMITTED** : 06/10/2020 15:40

DATE/TIME COLLECTION : 06/10/2020 14:30 COLLECTED BY : Elmer Palmares, Jr.

NO. OF SAMPLES : 1 TOTAL PARAMETERS TESTED : 15

SAMPLE LOCATION : MESA LAND RESERVOIR, HACIENDA STA. ELENA, SANTA ROSA CITY, LAGUNA

SAMPLE CHARACTERISTICS: 2000 mL water sample in polyethylene bottle

PARAMETER(S)	UNIT	MDL	LOQ	DECLUTIO)	METHOD/C)	ANALYSIS	S
FARANCIER(3)	ONIT	IVIDE	LOQ	RESULT(S)	METHOD(S)	DATE	BY
pH / Temperature	-/°C	NA	NA	8.68/23.4	4500-H ⁺ . Electrometric	06/10/2020	EPP
Residual Chlorine ^A	mg/L	0.063	0.20	0.02	4500-CI-G.DPD Colorimetric	06/10/2020	EPP
Color	ACU	2	NA	10	2120B. Visual Comparison (Pt-Co)	06/11/2020	KAP
Taste ^A		NA	NA	0	2160. Sensory	06/10/2020	KAP
Odor ^A	-	NA	NA	0	2150. Sensory	06/10/2020	KAP
Turbidity ^A	NTU	0.115	0.365	0.900	2130. Nephelometric	06/11/2020	КАР
Total Hardness as CaCO ₃ ^A	mg/L	0.469	1.49	167	2340C. EDTA Titrimetric	06/11/2020	KAP
Total Dissolved Solids	mg/L	4.77	12.5	323	2540C. Gravimetric, dried @ 180°C	06/11/2020	KAP
Nitrate (NO₃⁻) ^A	mg/L	0.0574	0.183	6.35	44400 1 01	06/11/2020	KAP
Chloride (Cl ⁻) ^A	mg/L	0.0372	0.119	76.9	4110B. Ion Chromatography	06/11/2020	KAP
Fluoride (F ⁻) ^A	mg/L	0.0524	0.167	0.298	with Chemical Suppression of	06/11/2020	KAP
Sulfate (SO ₄ ²⁻) ^A	mg/L	0.0567	0.181	11.7	Eluent Conductivity	06/11/2020	KAP
Iron (Fe) ^A	mg/L	NA	0.005	<0.005	2500 5- B. Caladian Ada	06/11/2020	KYA
Manganese (Mn) ^A	mg/L	NA	0.01	<0.010	3500-Fe B. Colorimetric	06/11/2020	КУА

REMARKS: Sample collection was performed by the LWC Field analyst/technician and were analyzed as submitted.

DEVIATIONS: No deviations noted on sample collection and submission.

NOTE: A Method is not part of DENR-ELR Recognized Parameters

LEGEND: ACU: Apparent Color Unit; NTU: Nephelometric Turbidity Unit; UO: Unobjectionable; NA: Not Applicable; MDL: Method Detection Limit;

LOQ: Limit of Quantification

METHOD REFERENCE: Standard Methods for the Examination of Water and Wastewater, 23rd Edition

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CERTIFIED CORRECT BY:

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CUSTOMER NAME : Laguna AAAWater Corporation

ADDRESS : G/F One Evotech Bldg., Nuvali, Santa Rosa City, Laguna, Philippines

ATTENTION : N/A

SUMMARY OF LABORATORY ANALYSIS

SAMPLE CODE : **S20-3721 DATE/TIME SUBMITTED** : 06/10/2020 15:40

DATE/TIME COLLECTION : 06/10/2020 13:15 COLLECTED BY : Elmer Palmares, Jr.

NO. OF SAMPLES : 1 TOTAL PARAMETERS TESTED : 15

SAMPLE LOCATION : MATANG TUBIG SPRING

SAMPLE CHARACTERISTICS : 2000 mL water sample in polyethylene bottle

PARAMETER(S)	UNIT	MDL	LOQ	RESULT(S)	MAETHOD/C)	ANALYSI	S
TAIGNIETEI(S)	Olili	MIDE	LOQ	KESULI(S)	METHOD(S)	DATE	BY
pH / Temperature	-/°C	NA	NA	7.79/ 22.5	4500-H ⁺ . Electrometric	06/10/2020	EPP
Residual Chlorine ^A	mg/L	0.063	0.20	0.05	4500-Cl-G.DPD Colorimetric	06/10/2020	EPP
Color	ACU	2	NA	<2	2120B. Visual Comparison (Pt-Co)	06/11/2020	KAP
Taste ^A		NA	NA	UO	2160. Sensory	06/10/2020	KAP
Odor ^A	-	NA	NA	UO	2150. Sensory	06/10/2020	KAP
Turbidity ^A	NTU	0.115	0.365	0.150	2130. Nephelometric	06/11/2020	KAP
Total Hardness as CaCO ₃ A	mg/L	0.469	1.49	161	2340C. EDTA Titrimetric	06/11/2020	KAP
Total Dissolved Solids	mg/L	4.77	12.5	260	2540C. Gravimetric, dried @ 180°C	06/11/2020	KAP
Nitrate (NO₃⁻) ^A	mg/L	0.0574	0.183	6.46	44400 / 61	06/11/2020	KAP
Chloride (Cl ⁻) ^A	mg/L	0.0372	0.119	3.56	4110B. Ion Chromatography	06/11/2020	KAP
Fluoride (F ⁻) ^A	mg/L	0.0524	0.167	0.316	with Chemical Suppression of	06/11/2020	KAP
Sulfate (SO ₄ ²⁻) ^A	mg/L	0.0567	0.181	9.38	Eluent Conductivity	06/11/2020	KAP
Iron (Fe) ^A	mg/L	NA	0.005	<0.005	2500 5- B. C-lii-	06/11/2020	KYA
Manganese (Mn) ^A	mg/L	NA	0.01	<0.010	3500-Fe B. Colorimetric	06/11/2020	KYA

REMARKS: Sample collection was performed by the LWC Field analyst/technician and were analyzed as submitted.

DEVIATIONS: No deviations noted on sample collection and submission.

NOTE: <u>A</u> Method is not part of DENR-ELR Recognized Parameters

LEGEND: ACU: Apparent Color Unit; NTU: Nephelometric Turbidity Unit; UO: Unobjectionable; NA: Not Applicable; MDL: Method Detection Limit;

LOQ: Limit of Quantification

METHOD REFERENCE: Standard Methods for the Examination of Water and Wastewater, 23rd Edition

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CERTIFIED CORRECT BY:

KRISTEEN Y. ALDAY, RCh Analytical Services Unit Manager PRC License No. 0013295 **AUTHORIZED BY:**

ANNA KARLA S. GUTTERREZ, RMT Laboratory Services Manager License No. PRC 0060968



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WEBSITE: www.lagunawater.com.ph

CUSTOMER NAME: Laguna AAAWater Corporation

ADDRESS : G/F One Evotech Bldg., Nuvali, Santa Rosa City, Laguna, Philippines

ATTENTION : N/A

SUMMARY OF LABORATORY ANALYSIS

 SAMPLE CODE
 : \$20-3969
 DATE/TIME SUBMITTED
 : 06/22/2020 14:39

 DATE/TIME COLLECTION
 : 06/22/2020 14:23
 COLLECTED BY
 : Elmer Palmares, Jr.

NO. OF SAMPLES : 1 TOTAL PARAMETERS TESTED : 15

SAMPLE LOCATION : AMHERST LABORATORIES (UNILAB), BRGY. MAMPLASAN, BIÑAN CITY, LAGUNA

SAMPLE CHARACTERISTICS : 2000 mL water sample in polyethylene bottle

PARAMETER(S)	UNIT	MDL	LOQ	DECLUIT/C)	METHOD(C)	ANALYSI	5
FANAIVICTER(3)	ONIT	IVIDE	LOQ	RESULT(S)	METHOD(S)	DATE	BY
pH / Temperature	-/°C	NA	NA	7.31/27.8	4500-H ⁺ . Electrometric	06/22/2020	EPP
Residual Chlorine ^A	mg/L	0.063	0.20	0.880	4500-CI-G.DPD Colorimetric	06/22/2020	EPP
Color	ACU	2	NA	<2	2120B. Visual Comparison (Pt-Co)	06/23/2020	KAP
Taste ^A		NA	NA	UO	2160. Sensory	06/22/2020	KAP
Odor ^A	-	NA	NA	uo	2150. Sensory	06/22/2020	KAP
Turbidity ^A	NTU	0.115	0.365	2.10	2130. Nephelometric	06/23/2020	KAP
Total Hardness as CaCO ₃ ^A	mg/L	0.469	1.49	149	2340C. EDTA Titrimetric	06/26/2020	KAP
Total Dissolved Solids	mg/L	4.77	12.5	313	2540C. Gravimetric, dried @ 180°C	06/24/2020	KAP
Nitrate (NO₃⁻) ^A	mg/L	0.0574	0.183	4.79		06/23/2020	KAP
Chloride (Cl ⁻) ^A	mg/L	0.0372	0.119	5.44	4110B. Ion Chromatography	06/23/2020	KAP
Fluoride (F ⁻) ^A	mg/L	0.0524	0.167	0.292	with Chemical Suppression of	06/23/2020	KAP
Sulfate (SO ₄ ²⁻) ^A	mg/L	0.0567	0.181	7.43	Eluent Conductivity	06/23/2020	KAP
Iron (Fe) ^A	mg/L	NA	0.005	0.020	3500 Fe B. Colorius atric	06/26/2020	KYA
Manganese (Mn) ^A	mg/L	NA	0.01	0.065	3500-Fe B. Colorimetric	06/26/2020	KYA

REMARKS: Sample collection was performed by the LWC Field analyst/technician and were analyzed as submitted.

DEVIATIONS: No deviations noted on sample collection and submission.

NOTE: A Method is not part of DENR-ELR Recognized Parameters

LEGEND: ACU: Apparent Color Unit; NTU: Nephelometric Turbidity Unit; UO: Unobjectionable; NA: Not Applicable; MDL: Method Detection Limit;

LOQ: Limit of Quantification

METHOD REFERENCE: Standard Methods for the Examination of Water and Wastewater, 23rd Edition

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CERTIFIED CORRECT BY:

AUTHORIZED BY:

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DOH Accredited Testing Laboratory (04A-001-1820-LW-2) DENR Environmental Laboratory Recognition (ELR Code 04-30) PNRI (RML No. Y04.04132.17) PRC Certificate of Authority to Operate No. 111

PNP (License No. PDD03-230616-04201)

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CUSTOMER NAME : Laguna AAAWater Corporation

ADDRESS : G/F One Evotech Bldg., Nuvali, Santa Rosa City, Laguna, Philippines

ATTENTION : N/A

SUMMARY OF LABORATORY ANALYSIS

SAMPLE CODE : S20-3970 **DATE/TIME SUBMITTED**

: 06/22/2020 14:39

DATE/TIME COLLECTION

: 06/22/2020 10:57

COLLECTED BY

: Elmer Palmares, Jr.

NO. OF SAMPLES

: 1

TOTAL PARAMETERS TESTED

: 15

SAMPLE LOCATION

: WATER PUMP, ADELINA COMPLEX 3, BRGY. SANTO TOMAS, BIÑAN CITY, LAGUNA

SAMPLE CHARACTERISTICS : 2000 mL water sample in polyethylene bottle

PARAMETER(S)	UNIT	MDL	LOQ	RESULT(S)	METHOD(C)	ANALYSI	5
TAIL TENIO)	OHII	IVIDE	LOQ	KESULI(S)	METHOD(S)	DATE	BY
pH / Temperature	-/°C	NA	NA	6.90/28.3	4500-H ⁺ . Electrometric	06/22/2020	EPP
Residual Chlorine ^A	mg/L	0.063	0.20	<0.0630	4500-CI-G.DPD Colorimetric	06/22/2020	EPP
Color	ACU	2	NA	<2	2120B. Visual Comparison (Pt-Co)	06/23/2020	KAP
Taste ^A	-	NA	NA	UO	2160. Sensory	06/22/2020	KAP
Odor ^A	-	NA	NA	UO	2150. Sensory	06/22/2020	KAP
Turbidity ^A	NTU	0.115	0.365	0.300	2130. Nephelometric	06/23/2020	KAP
Total Hardness as CaCO ₃ ^A	mg/L	0.469	1.49	185	2340C. EDTA Titrimetric	06/26/2020	КАР
Total Dissolved Solids	mg/L	4.77	12.5	353	2540C. Gravimetric, dried @ 180°C	06/24/2020	КАР
Nitrate (NO₃⁻) ^A	mg/L	0.0574	0.183	0.491	44400 4 50	06/23/2020	KAP
Chloride (Cl ⁻) ^A	mg/L	0.0372	0.119	7.82	4110B. Ion Chromatography	06/23/2020	KAP
Fluoride (F ⁻) ^A	mg/L	0.0524	0.167	0.313	with Chemical Suppression of	06/23/2020	KAP
Sulfate (SO ₄ ²⁻) ^A	mg/L	0.0567	0.181	8.74	Eluent Conductivity	06/23/2020	KAP
Iron (Fe) ^A	mg/L	NA	0.005	0.220	2500 5- 5 6-1-1-1	06/26/2020	KYA
Manganese (Mn) ^A	mg/L	NA	0.01	0.010	3500-Fe B. Colorimetric	06/26/2020	KYA

REMARKS: Sample collection was performed by the LWC Field analyst/technician and were analyzed as submitted.

DEVIATIONS: No deviations noted on sample collection and submission.

NOTE: A Method is not part of DENR-ELR Recognized Parameters

LEGEND: Apparent Color Unit; NTU: Nephelometric Turbidity Unit; UO: Unobjectionable; NA: Not Applicable; MDL: Method Detection Limit;

LOQ: Limit of Quantification

METHOD REFERENCE: Standard Methods for the Examination of Water and Wastewater, 23rd Edition

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CUSTOMER NAME : Laguna AAAWater Corporation

ADDRESS : G/F One Evotech Bldg., Nuvali, Santa Rosa City, Laguna, Philippines

ATTENTION : N/A

SUMMARY OF LABORATORY ANALYSIS

SAMPLE CODE : **S20-3971 DATE/TIME SUBMITTED** : 06/22/2020 14:39

DATE/TIME COLLECTION : 06/22/2020 12:26 COLLECTED BY : Elmer Palmares, Jr.

NO. OF SAMPLES : 1 TOTAL PARAMETERS TESTED : 15

SAMPLE LOCATION : SEA-OIL, NATIONAL ROAD, BRGY. PLATERO, BIÑAN CITY, LAGUNA

SAMPLE CHARACTERISTICS : 2000 mL water sample in polyethylene bottle

PARAMETER(S)	UNIT	MDL	LOQ	RESULT(S)	METHOD(S)	ANALYSI:	S
TANAMETER(5)	ONT	IVIDE	LOQ	KESULI(S)	METHOD(S)	DATE	BY
pH / Temperature	-/°C	NA	NA	7.16/31.7	4500-H ⁺ . Electrometric	06/22/2020	EPP
Residual Chlorine ^A	mg/L	0.063	0.20	0.820	4500-Cl-G.DPD Colorimetric	06/22/2020	EPP
Color	ACU	2	NA	<2	2120B. Visual Comparison (Pt-Co)	06/23/2020	KAP
Taste ^A	-	NA	NA	UO	2160. Sensory	06/22/2020	KAP
Odor ^A	-	NA	NA	UO	2150. Sensory	06/22/2020	KAP
Turbidity ^A	NTU	0.115	0.365	2.10	2130. Nephelometric	06/23/2020	KAP
Total Hardness as CaCO ₃ ^A	mg/L	0.469	1.49	148	2340C. EDTA Titrimetric	06/26/2020	KAP
Total Dissolved Solids	mg/L	4.77	12.5	347	2540C. Gravimetric, dried @ 180°C	06/24/2020	KAP
Nitrate (NO₃⁻) ^A	mg/L	0.0574	0.183	<0.0574	4440	06/23/2020	KAP
Chloride (Cl ⁻) ^A	mg/L	0.0372	0.119	16.6	4110B. Ion Chromatography	06/23/2020	KAP
Fluoride (F ⁻) ^A	mg/L	0.0524	0.167	0.313	with Chemical Suppression of	06/23/2020	KAP
Sulfate (SO ₄ ²⁻) ^A	mg/L	0.0567	0.181	8.71	Eluent Conductivity	06/23/2020	KAP
Iron (Fe) ^A	mg/L	NA	0.005	0.030	3500 F- B Calarina tria	06/26/2020	КҮА
Manganese (Mn) ^A	mg/L	NA	0.01	0.030	3500-Fe B. Colorimetric	06/26/2020	KYA

REMARKS: Sample collection was performed by the LWC Field analyst/technician and were analyzed as submitted.

DEVIATIONS: No deviations noted on sample collection and submission.

NOTE: <u>A</u> Method is not part of DENR-ELR Recognized Parameters

LEGEND: ACU: Apparent Color Unit; NTU: Nephelometric Turbidity Unit; UO: Unobjectionable; NA: Not Applicable; MDL: Method Detection Limit;

LOQ: Limit of Quantification

METHOD REFERENCE: Standard Methods for the Examination of Water and Wastewater, 23rd Edition

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CUSTOMER NAME : Laguna AAAWater Corporation

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ATTENTION : N/A

SUMMARY OF LABORATORY ANALYSIS

SAMPLE CODE : S20-3972 **DATE/TIME SUBMITTED** : 06/22/2020 14:39 **DATE/TIME COLLECTION** : 06/22/2020 12:53 **COLLECTED BY** : Elmer Palmares, Jr.

NO. OF SAMPLES : 1 **TOTAL PARAMETERS TESTED** : 15

SAMPLE LOCATION : WATER PUMP, MARGARITA HOMES SUBDIVISION, BRGY. SAN ANTONIO, BIÑAN CITY, LAGUNA

SAMPLE CHARACTERISTICS : 2000 mL water sample in polyethylene bottle

PARAMETER(S)	UNIT	MDL	100	DECLUTION	METHODIC	ANALYSIS	5
FAINABLE TEN(3)	OMIT	IAIDE	LOQ	RESULT(S)	METHOD(S)	DATE	BY
pH / Temperature	-/°C	NA	NA	7.37/29.5	4500-H ⁺ . Electrometric	06/22/2020	EPP
Residual Chlorine ^A	mg/L	0.063	0.20	1.19	4500-CI-G.DPD Colorimetric	06/22/2020	EPP
Color	ACU	2	NA	<2	2120B. Visual Comparison (Pt-Co)	06/23/2020	KAP
Taste ^A	_	NA	NA	UO	2160. Sensory	06/22/2020	KAP
Odor ^A		NA	NA	UO	2150. Sensory	06/22/2020	KAP
Turbidity ^A	NTU	0.115	0.365	<0.115	2130. Nephelometric	06/23/2020	КАР
Total Hardness as CaCO ₃ ^A	mg/L	0.469	1.49	204	2340C. EDTA Titrimetric	06/26/2020	KAP
Total Dissolved Solids	mg/L	4.77	12.5	467	2540C. Gravimetric, dried @ 180°C	06/24/2020	KAP
Nitrate (NO₃⁻) ^A	mg/L	0.0574	0.183	4.87	44400 1 01 1	06/23/2020	KAP
Chloride (Cl ⁻) ^A	mg/L	0.0372	0.119	5.52	4110B. Ion Chromatography	06/23/2020	KAP
Fluoride (F ⁻) ^A	mg/L	0.0524	0.167	0.295	with Chemical Suppression of	06/23/2020	KAP
Sulfate (SO ₄ ²⁻) ^A	mg/L	0.0567	0.181	7.48	Eluent Conductivity	06/23/2020	KAP
Iron (Fe) ^A	mg/L	NA	0.005	<0.005	3500 Fe B. Caladinateia	06/26/2020	KYA
Manganese (Mn) ^A	mg/L	NA	0.01	0.010	3500-Fe B. Colorimetric	06/26/2020	KYA

REMARKS: Sample collection was performed by the LWC Field analyst/technician and were analyzed as submitted.

DEVIATIONS: No deviations noted on sample collection and submission.

NOTE: A Method is not part of DENR-ELR Recognized Parameters

LEGEND: ACU: Apparent Color Unit; NTU: Nephelometric Turbidity Unit; UO: Unobjectionable; NA: Not Applicable; MDL: Method Detection Limit;

LOQ: Limit of Quantification

METHOD REFERENCE: Standard Methods for the Examination of Water and Wastewater, 23rd Edition

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CUSTOMER NAME : Laguna AAAWater Corporation

ADDRESS : G/F One Evotech Bldg., Nuvali, Santa Rosa City, Laguna, Philippines

ATTENTION : N/A

SUMMARY OF LABORATORY ANALYSIS

SAMPLE CODE : S20-3973 **DATE/TIME SUBMITTED**

: 06/22/2020 14:39

DATE/TIME COLLECTION

: 06/22/2020 13:02

COLLECTED BY

: Elmer Palmares, Jr.

NO. OF SAMPLES

: 1

: 15

SAMPLE LOCATION

TOTAL PARAMETERS TESTED : BLOCK 15 LOT 18, MARGARITA HOMES SUBDIVISON, BRGY. SAN ANTONIO, BIÑAN CITY,

LAGUNA

SAMPLE CHARACTERISTICS

: 2000 mL water sample in polyethylene bottle

PARAMETER(S)	UNIT	MDL	LOQ	RESULT(S)	METHOD(S)	ANALYSI	S
TANAMETER(3)	ONIT	IAIDE	LOQ	KESULI(S)	METHOD(S)	DATE	BY
pH / Temperature	-/°C	NA	NA	7.38/33.0	4500-H ⁺ . Electrometric	06/22/2020	EPP
Residual Chlorine ^A	mg/L	0.063	0.20	0.770	4500-Cl-G.DPD Colorimetric	06/22/2020	EPP
Color	ACU	2	NA	<2	2120B. Visual Comparison (Pt-Co)	06/23/2020	KAP
Taste ^A	-	NA	NA	UO	2160. Sensory	06/22/2020	KAF
Odor ^A	-	NA	NA	UO	2150. Sensory	06/22/2020	KAF
Turbidity ^A	NTU	0.115	0.365	<0.115	2130. Nephelometric	06/23/2020	KAP
Total Hardness as CaCO ₃ ^A	mg/L	0.469	1.49	213	2340C. EDTA Titrimetric	06/26/2020	KAP
Total Dissolved Solids	mg/L	4.77	12.5	483	2540C. Gravimetric, dried @ 180°C	06/24/2020	KAF
Nitrate (NO₃⁻) ^A	mg/L	0.0574	0.183	<0.0574	44405	06/23/2020	KAF
Chloride (Cl ⁻) ^A	mg/L	0.0372	0.119	16.5	4110B. Ion Chromatography	06/23/2020	KAF
Fluoride (F ⁻) ^A	mg/L	0.0524	0.167	0.314	with Chemical Suppression of	06/23/2020	KAF
Sulfate (SO ₄ ²⁻) ^A	mg/L	0.0567	0.181	8.68	Eluent Conductivity	06/23/2020	KAF
Iron (Fe) ^A	mg/L	NA	0.005	0.010	2500 5- D C-1	06/26/2020	KYA
Manganese (Mn) ^A	mg/L	NA	0.01	<0.010	3500-Fe B. Colorimetric	06/26/2020	KYA

REMARKS: Sample collection was performed by the LWC Field analyst/technician and were analyzed as submitted.

DEVIATIONS: No deviations noted on sample collection and submission.

NOTE: A Method is not part of DENR-ELR Recognized Parameters

LEGEND: ACU: Apparent Color Unit; NTU: Nephelometric Turbidity Unit; UO: Unobjectionable; NA: Not Applicable; MDL: Method Detection Limit;

LOQ: Limit of Quantification

METHOD REFERENCE: Standard Methods for the Examination of Water and Wastewater, 23rd Edition

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CUSTOMER NAME : Laguna AAAWater Corporation

ADDRESS : G/F One Evotech Bldg., Nuvali, Santa Rosa City, Laguna, Philippines

ATTENTION : N/A

SUMMARY OF LABORATORY ANALYSIS

SAMPLE CODE : S20-3974 **DATE/TIME SUBMITTED**

: 06/22/2020 14:39

DATE/TIME COLLECTION

: 06/22/2020 13:36

COLLECTED BY

: Elmer Palmares, Jr.

NO. OF SAMPLES

:1

TOTAL PARAMETERS TESTED

: 15

SAMPLE LOCATION

: CISTERN, PAVILLION MALL, NATIONAL ROAD, BRGY. SAN ANTONIO, BIÑAN CITY, LAGUNA

SAMPLE CHARACTERISTICS

: 2000 mL water sample in polyethylene bottle

PARAMETER(S)	UNIT	MDL	LOQ	RESULT(S)	METHOD(S)	ANALYSI	S
· Allantic rengs/	OHII	WIDE	LOQ	KESULI(S)	WETHOD(S)	DATE	BY
pH / Temperature	-/°C	NA	NA	7.38/29.3	4500-H ⁺ . Electrometric	06/22/2020	EPP
Residual Chlorine ^A	mg/L	0.063	0.20	0.680	4500-CI-G.DPD Colorimetric	06/22/2020	EPP
Color	ACU	2	NA	<2	2120B. Visual Comparison (Pt-Co)	06/23/2020	KAP
Taste ^A	-	NA	NA	UO	2160. Sensory	06/22/2020	KAP
Odor ^A	-	NA	NA	UO	2150. Sensory	06/22/2020	КАР
Turbidity ^A	NTU	0.115	0.365	1.10	2130. Nephelometric	06/23/2020	KAP
Total Hardness as CaCO ₃ ^A	mg/L	0.469	1.49	149	2340C. EDTA Titrimetric	06/26/2020	KAP
Total Dissolved Solids	mg/L	4.77	12.5	330	2540C. Gravimetric, dried @ 180°C	06/24/2020	KAP
Nitrate (NO ₃ -) ^A	mg/L	0.0574	0.183	4.08		06/23/2020	KAP
Chloride (Cl ⁻) ^A	mg/L	0.0372	0.119	5.77	4110B. Ion Chromatography	06/23/2020	KAP
Fluoride (F ⁻) ^A	mg/L	0.0524	0.167	0.181	with Chemical Suppression of	06/23/2020	KAP
Sulfate (SO ₄ ²⁻) ^A	mg/L	0.0567	0.181	7.20	Eluent Conductivity	06/23/2020	KAP
Iron (Fe) ^A	mg/L	NA	0.005	0.010	2500 5- B G-l	06/26/2020	KYA
Manganese (Mn) ^A	mg/L	NA	0.01	<0.010	3500-Fe B. Colorimetric	06/26/2020	KYA

REMARKS: Sample collection was performed by the LWC Field analyst/technician and were analyzed as submitted.

DEVIATIONS: No deviations noted on sample collection and submission.

NOTE: A Method is not part of DENR-ELR Recognized Parameters

LEGEND: ACU: Apparent Color Unit; NTU: Nephelometric Turbidity Unit; UO: Unobjectionable; NA: Not Applicable; MDL: Method Detection Limit;

LOQ: Limit of Quantification

METHOD REFERENCE: Standard Methods for the Examination of Water and Wastewater, 23rd Edition

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: Elmer Palmares, Jr.

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CUSTOMER NAME : Laguna AAAWater Corporation

ADDRESS : G/F One Evotech Bldg., Nuvali, Santa Rosa City, Laguna, Philippines

ATTENTION : N/A

DATE/TIME COLLECTION

SUMMARY OF LABORATORY ANALYSIS

COLLECTED BY

SAMPLE CODE : **S20-3975 DATE/TIME SUBMITTED** : 06/22/2020 14:39

NO. OF SAMPLES 11 TOTAL PARAMETERS TESTED : 15

: 06/22/2020 13:50

SAMPLE LOCATION : PAVILLION MALL, NATIONAL ROAD, BRGY. SAN ANTONIO, BIÑAN CITY, LAGUNA

SAMPLE CHARACTERISTICS : 2000 mL water sample in polyethylene bottle

PARAMETER(S)	UNIT	MDL	LOQ	RESULT(S)	MAETHOD(C)	ANALYSI	S
PARAMETER(3)	ONIT	IVIDE	LOQ	KESULI(S)	METHOD(S)	DATE	BY
pH / Temperature	-/°C	NA	NA	7.35/31.1	4500-H ⁺ . Electrometric	06/22/2020	EPP
Residual Chlorine ^A	mg/L	0.063	0.20	0.580	4500-CI-G.DPD Colorimetric	06/22/2020	EPP
Color	ACU	2	NA	<2	2120B. Visual Comparison (Pt-Co)	06/23/2020	KAP
Taste ^A	-	NA	NA	UO	2160. Sensory	06/22/2020	KAP
Odor ^A	-	NA	NA	UO	2150. Sensory	06/22/2020	KAP
Turbidity ^A	NTU	0.115	0.365	0.850	2130. Nephelometric	06/23/2020	KAP
Total Hardness as CaCO₃ ^A	mg/L	0.469	1.49	145	2340C. EDTA Titrimetric	06/26/2020	KAP
Total Dissolved Solids	mg/L	4.77	12.5	343	2540C. Gravimetric, dried @ 180°C	06/24/2020	KAP
Nitrate (NO₃⁻) ^A	mg/L	0.0574	0.183	3.94	44400 4 64 4	06/24/2020	KAP
Chloride (Cl ⁻) ^A	mg/L	0.0372	0.119	5.77	4110B. Ion Chromatography	06/24/2020	KAP
Fluoride (F ⁻) ^A	mg/L	0.0524	0.167	0.287	with Chemical Suppression of	06/24/2020	KAP
Sulfate (SO ₄ ²⁻) ^A	mg/L	0.0567	0.181	6.95	Eluent Conductivity	06/24/2020	KAP
Iron (Fe) ^A	mg/L	NA	0.005	0.010	3500 5- 0 6-1-1-1-1	06/26/2020	KYA
Manganese (Mn) ^A	mg/L	NA	0.01	<0.010	3500-Fe B. Colorimetric	06/26/2020	KYA

REMARKS: Sample collection was performed by the LWC Field analyst/technician and were analyzed as submitted.

DEVIATIONS: No deviations noted on sample collection and submission.

NOTE: A Method is not part of DENR-ELR Recognized Parameters

LEGEND: ACU: Apparent Color Unit; NTU: Nephelometric Turbidity Unit; UO: Unobjectionable; NA: Not Applicable; MDL: Method Detection Limit;

LOQ: Limit of Quantification

METHOD REFERENCE: Standard Methods for the Examination of Water and Wastewater, 23rd Edition

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CERTIFIED CORRECT BY:

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ANNA KARLA S. GUTTERREZ, RMT Laboratory Services Manager License No. PRC 0060968



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CUSTOMER NAME : Laguna AAAWater Corporation

ADDRESS : G/F One Evotech Bldg., Nuvali, Santa Rosa City, Laguna, Philippines

ATTENTION : N/A

SUMMARY OF LABORATORY ANALYSIS

SAMPLE CODE : S20-3976 **DATE/TIME SUBMITTED**

: 06/22/2020 14:39

DATE/TIME COLLECTION

: 06/22/2020 13:23

COLLECTED BY

: Elmer Palmares, Jr.

NO. OF SAMPLES

: 1

TOTAL PARAMETERS TESTED

SAMPLE LOCATION

: JOLLIBEE, NATIONAL ROAD, BRGY. SANTO NINO, BIÑAN CITY, LAGUNA

SAMPLE CHARACTERISTICS

: 2000 mL water sample in polyethylene bottle

PARAMETER(S)	UNIT	MDL	LOQ	RESULT(S)	METHOD(S)	ANALYSI	S
	0.111	IVIDE	LOQ	KESULI(S)	WETHOD(S)	DATE	BY
pH / Temperature	-/°C	NA	NA	7.30/29.2	4500-H ⁺ . Electrometric	06/22/2020	EPP
Residual Chlorine ^A	mg/L	0.063	0.20	0.750	4500-Cl-G.DPD Colorimetric	06/22/2020	EPP
Color	ACU	2	NA	<2	2120B. Visual Comparison (Pt-Co)	06/23/2020	KAP
Taste ^A	-	NA	NA	UO	2160. Sensory	06/22/2020	KAP
Odor ^A	-	NA	NA	UO	2150. Sensory	06/22/2020	KAP
Turbidity ^A	NTU	0.115	0.365	1.50	2130. Nephelometric	06/23/2020	KAP
Total Hardness as CaCO ₃ A	mg/L	0.469	1.49	144	2340C. EDTA Titrimetric	06/26/2020	KAP
Total Dissolved Solids	mg/L	4.77	12.5	333	2540C. Gravimetric, dried @ 180°C	06/24/2020	KAP
Nitrate (NO₃⁻) ^A	mg/L	0.0574	0.183	4.44		06/24/2020	KAP
Chloride (Cl ⁻) ^A	mg/L	0.0372	0.119	5.62	4110B. Ion Chromatography	06/24/2020	KAP
Fluoride (F ⁻) ^A	mg/L	0.0524	0.167	0.292	with Chemical Suppression of	06/24/2020	KAP
Sulfate (SO ₄ ²⁻) ^A	mg/L	0.0567	0.181	7.31	Eluent Conductivity	06/24/2020	KAP
Iron (Fe) ^A	mg/L	NA	0.005	0.010	2500 5 5 6 1 :	06/26/2020	KYA
Manganese (Mn) ^A	mg/L	NA	0.01	0.010	3500-Fe B. Colorimetric	06/26/2020	KYA

REMARKS: Sample collection was performed by the LWC Field analyst/technician and were analyzed as submitted.

DEVIATIONS: No deviations noted on sample collection and submission.

NOTE: A Method is not part of DENR-ELR Recognized Parameters

LEGEND: Apparent Color Unit; NTU: Nephelometric Turbidity Unit; UO: Unobjectionable; NA: Not Applicable; MDL: Method Detection Limit;

LOQ: Limit of Quantification

METHOD REFERENCE: Standard Methods for the Examination of Water and Wastewater, 23rd Edition

NOT VALID WITHOUT OR STAMP

CERTIFIED CORRECT BY:

AUTHORIZED BY:

KRISTEEN Y. ALDAY, RCh Analytical Services Unit Manager PRC License No. 0013295

S. GUTHERREZ, RMT Laboratory Services Manager License No. PRC 0060968



DOH Accredited Testing Laboratory (04A-001-1820-LW-2)
DENR Environmental Laboratory Recognition (ELR Code 04-30)
PNRI (RML No. Y04.04132.17)

PRC Certificate of Authority to Operate No. 111 PNP (License No. PDD03-230616-04201)

ADDRESS: 8 North Science Avenue, Laguna Technopark Inc., Brgy. Biñan (Poblacion), Biñan City, Laguna

CONTACT NO.: (049) 543-1916
WEBSITE: www.lagunawater.com.ph

CUSTOMER NAME : Laguna AAAWater Corporation

ADDRESS : G/F One Evotech Bldg., Nuvali, Santa Rosa City, Laguna, Philippines

ATTENTION : N/A

SUMMARY OF LABORATORY ANALYSIS

SAMPLE CODE : **S20-3979 DATE/TIME SUBMITTED** : 06/22/2020 14:39

DATE/TIME COLLECTION : 06/22/2020 10:35 COLLECTED BY : Elmer Palmares, Jr.

NO. OF SAMPLES :1 TOTAL PARAMETERS TESTED :1

SAMPLE LOCATION : WATER PUMP, BRGY. SAN ZAPOTE, BIÑAN CITY, LAGUNA

SAMPLE CHARACTERISTICS : 2000 mL water sample in polyethylene bottle

PARAMETER(S)	UNIT	MDL	LOQ	RESULT(S)	METHOD(C)	ANALYSI	S
1 AIMINETER(3)	OWN	IVIDE	LOQ	KESULI(S)	METHOD(S)	DATE	BY
pH / Temperature	-/°C	NA	NA	6.72/33.7	4500-H ⁺ . Electrometric	06/22/2020	EPP
Residual Chlorine ^A	mg/L	0.063	0.20	0.600	4500-CI-G.DPD Colorimetric	06/22/2020	EPP
Color	ACU	2	NA	<2	2120B. Visual Comparison (Pt-Co)	06/23/2020	KAP
Taste ^A	•	NA	NA	UO	2160. Sensory	06/22/2020	KAP
Odor ^A	-	NA	NA	UO	2150. Sensory	06/22/2020	KAP
Turbidity ^A	NTU	0.115	0.365	1.20	2130. Nephelometric	06/23/2020	KAP
Total Hardness as CaCO ₃ ^A	mg/L	0.469	1.49	147	2340C. EDTA Titrimetric	06/26/2020	KAP
Total Dissolved Solids	mg/L	4.77	12.5	337	2540C. Gravimetric, dried @ 180°C	06/24/2020	KAP
Nitrate (NO ₃ -) ^A	mg/L	0.0574	0.183	4.89	44400 1 01 1	06/24/2020	KAP
Chloride (Cl ⁻) ^A	mg/L	0.0372	0.119	5.45	4110B. Ion Chromatography	06/24/2020	KAP
Fluoride (F ⁻) ^A	mg/L	0.0524	0.167	0.289	with Chemical Suppression of	06/24/2020	KAP
Sulfate (SO ₄ ²⁻) ^A	mg/L	0.0567	0.181	7.23	Eluent Conductivity	06/24/2020	KAP
Iron (Fe) ^A	mg/L	NA	0.005	0.010	2500 Se D. Colorina della	06/26/2020	KYA
Manganese (Mn) ^A	mg/L	NA	0.01	0.010	3500-Fe B. Colorimetric	06/26/2020	KYA

REMARKS: Sample collection was performed by the LWC Field analyst/technician and were analyzed as submitted.

DEVIATIONS: No deviations noted on sample collection and submission.

NOTE: A Method is not part of DENR-ELR Recognized Parameters

LEGEND: ACU: Apparent Color Unit; NTU: Nephelometric Turbidity Unit; UO: Unobjectionable; NA: Not Applicable; MDL: Method Detection Limit;

LOQ: Limit of Quantification

METHOD REFERENCE: Standard Methods for the Examination of Water and Wastewater, 23rd Edition

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CERTIFIED CORRECT BY:

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ADDRESS : G/F One Evotech Bldg., Nuvali, Santa Rosa City, Laguna, Philippines

ATTENTION : N/A

SUMMARY OF LABORATORY ANALYSIS

 SAMPLE CODE
 : \$20-3980
 DATE/TIME SUBMITTED
 : 06/22/2020 14:39

 DATE/TIME COLLECTION
 : 06/22/2020 11:32
 COLLECTED BY
 : Elmer Palmares, Jr.

NO. OF SAMPLES : 1 TOTAL PARAMETERS TESTED : 15

SAMPLE LOCATION : 407 WATER PUMP, SAN VICENTE SUBDIVION, BRGY. SAN VICENTE, BINAN CITY

SAMPLE CHARACTERISTICS : 2000 mL water sample in polyethylene bottle

PARAMETER(S)	UNIT	MDL	LOQ	DECLUTION	METHOD(C)	ANALYSI	S
PANAMETER(3)	OMIT	IAIDE	LOQ	RESULT(S)	METHOD(S)	DATE	BY
pH / Temperature	-/°C	NA	NA	7.07/29.9	4500-H ⁺ . Electrometric	06/22/2020	EPP
Residual Chlorine ^A	mg/L	0.063	0.20	<0.0630	4500-CI-G.DPD Colorimetric	06/22/2020	EPP
Color	ACU	2	NA	<2	2120B. Visual Comparison (Pt-Co)	06/23/2020	KAP
Taste ^A		NA	NA	UO	2160. Sensory	06/22/2020	KAP
Odor ^A	-	NA	NA	UO	2150. Sensory	06/22/2020	KAP
Turbidity ^A	NTU	0.115	0.365	0.150	2130. Nephelometric	06/23/2020	КАР
Total Hardness as CaCO ₃ ^A	mg/L	0.469	1.49	148	2340C. EDTA Titrimetric	06/26/2020	KAP
Total Dissolved Solids	mg/L	4.77	12.5	300	2540C. Gravimetric, dried @ 180°C	06/24/2020	KAP
Nitrate (NO ₃ -) ^A	mg/L	0.0574	0.183	0.236	44400 4 61	06/24/2020	KAP
Chloride (Cl ⁻) ^A	mg/L	0.0372	0.119	7.44	4110B. Ion Chromatography	06/24/2020	KAP
Fluoride (F ⁻) ^A	mg/L	0.0524	0.167	0.302	with Chemical Suppression of	06/24/2020	KAP
Sulfate (SO ₄ ²⁻) ^A	mg/L	0.0567	0.181	8.42	Eluent Conductivity	06/24/2020	KAP
Iron (Fe) ^A	mg/L	NA	0.005	0.030	2500 5- D. Caladaratic	06/26/2020	KYA
Manganese (Mn) ^A	mg/L	NA	0.01	0.010	3500-Fe B. Colorimetric	06/26/2020	KYA

REMARKS: Sample collection was performed by the LWC Field analyst/technician and were analyzed as submitted.

DEVIATIONS: No deviations noted on sample collection and submission.

NOTE: A Method is not part of DENR-ELR Recognized Parameters

LEGEND: ACU: Apparent Color Unit; NTU: Nephelometric Turbidity Unit; UO: Unobjectionable; NA: Not Applicable; MDL: Method Detection Limit; LOO: Limit of Quantification

LOQ: Limit of Quantification

METHOD REFERENCE: Standard Methods for the Examination of Water and Wastewater, 23rd Edition

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AUTHORIZED BY:

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CUSTOMER NAME: Laguna AAAWater Corporation

ADDRESS : G/F One Evotech Bldg., Nuvali, Santa Rosa City, Laguna, Philippines

ATTENTION : N/A

SUMMARY OF LABORATORY ANALYSIS

SAMPLE CODE : S20-3981

DATE/TIME SUBMITTED

: 06/22/2020 14:39

DATE/TIME COLLECTION

: 06/22/2020 11:06

COLLECTED BY

: Elmer Palmares, Jr.

NO. OF SAMPLES

: 1

TOTAL PARAMETERS TESTED

: 15

SAMPLE LOCATION

: HOA OFFICE, ADELINA COMPLEX 3, BRGY. SANTO TOMAS, BIÑAN CITY, LAGUNA

SAMPLE CHARACTERISTICS

: 2000 mL water sample in polyethylene bottle

PARAMETER(S)	UNIT	MDL	LOQ	RESULT(S)	METHOD(S)	ANALYSI	S
77.10 11712121107	0.111	IVIDE	LOQ	RESULT(S)	METHOD(S)	DATE	BY
pH / Temperature	-/°C	NA	NA	7.11/29.3	4500-H ⁺ . Electrometric	06/22/2020	EPP
Residual Chlorine ^A	mg/L	0.063	0.20	0.790	4500-Cl-G.DPD Colorimetric	06/22/2020	EPP
Color	ACU	2	NA	10	2120B. Visual Comparison (Pt-Co)	06/23/2020	KAP
Taste ^A	-	NA	NA	UO	2160. Sensory	06/22/2020	KAP
Odor ^A	-	NA	NA	UO	2150. Sensory	06/22/2020	KAP
Turbidity ^A	NTU	0.115	0.365	1.00	2130. Nephelometric	06/23/2020	KAP
Total Hardness as CaCO ₃ A	mg/L	0.469	1.49	153	2340C. EDTA Titrimetric	06/26/2020	KAP
Total Dissolved Solids	mg/L	4.77	12.5	310	2540C. Gravimetric, dried @ 180°C	06/24/2020	KAP
Nitrate (NO₃⁻) ^A	mg/L	0.0574	0.183	3.25		06/24/2020	KAP
Chloride (Cl ⁻) ^A	mg/L	0.0372	0.119	6.92	4110B. Ion Chromatography	06/24/2020	KAP
Fluoride (F ⁻) ^A	mg/L	0.0524	0.167	0.298	with Chemical Suppression of	06/24/2020	KAP
Sulfate (SO ₄ ²⁻) ^A	mg/L	0.0567	0.181	7.73	Eluent Conductivity	06/24/2020	KAP
Iron (Fe) ^A	mg/L	NA	0.005	0.100	3500 5 5 6 1 1 1 1	06/26/2020	KYA
Manganese (Mn) ^A	mg/L	NA	0.01	<0.01	3500-Fe B. Colorimetric	06/26/2020	KYA

REMARKS: Sample collection was performed by the LWC Field analyst/technician and were analyzed as submitted.

DEVIATIONS: No deviations noted on sample collection and submission.

NOTE: A Method is not part of DENR-ELR Recognized Parameters

LEGEND: ACU: Apparent Color Unit; NTU: Nephelometric Turbidity Unit; UO: Unobjectionable; NA: Not Applicable; MDL: Method Detection Limit;

LOQ: Limit of Quantification

METHOD REFERENCE: Standard Methods for the Examination of Water and Wastewater, 23rd Edition

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CERTIFIED CORRECT BY:

AUTHORIZED BY:

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CUSTOMER NAME: Laguna AAAWater Corporation

ADDRESS : G/F One Evotech Bldg., Nuvali, Santa Rosa City, Laguna, Philippines

ATTENTION : N/A

SUMMARY OF LABORATORY ANALYSIS

SAMPLE CODE : S20-4238

DATE/TIME SUBMITTED

: 06/23/2020 16:00

DATE/TIME COLLECTION

: 06/23/2020 11:00

COLLECTED BY

: Edwin O. Aguilar

NO. OF SAMPLES

:1

TOTAL PARAMETERS TESTED

: 15

SAMPLE LOCATION

: 9999 WATER PUMP, METROVILLE COMPLEX, BRGY. HALANG, BIÑAN CITY, LAGUNA

SAMPLE CHARACTERISTICS : 2000 mL water sample in polyethylene bottle

PARAMETER(S)	UNIT	MDL	LOQ	RESULT(S)	METHOD(S)	ANALYSI	S
· Mannetenjaj	OIIII	IVIDE	LOQ	KESULI(S)	WETHOD(S)	DATE	BY
pH / Temperature	-/°C	NA	NA	7.09/28.7	4500-H ⁺ . Electrometric	06/23/2020	EOA
Residual Chlorine ^A	mg/L	0.063	0.20	0.480	4500-Cl-G.DPD Colorimetric	06/23/2020	EOA
Color	ACU	2	NA	10	2120B. Visual Comparison (Pt-Co)	06/23/2020	KAP
Taste ^A		NA	NA	UO	2160. Sensory	06/23/2020	KAP
Odor ^A		NA	NA	UO	2150. Sensory	06/23/2020	KAP
Turbidity ^A	NTU	0.115	0.365	0.400	2130. Nephelometric	06/24/2020	KAP
Total Hardness as CaCO ₃ ^A	mg/L	0.469	1.49	168	2340C. EDTA Titrimetric	06/26/2020	KAP
Total Dissolved Solids	mg/L	4.77	12.5	330	2540C. Gravimetric, dried @ 180°C	06/23/2020	KAP
Nitrate (NO₃⁻) ^A	mg/L	0.0574	0.183	0.249		06/24/2020	KAP
Chloride (Cl ⁻) ^A	mg/L	0.0372	0.119	6.73	4110B. Ion Chromatography	06/24/2020	KAP
Fluoride (F ⁻) ^A	mg/L	0.0524	0.167	0.288	with Chemical Suppression of	06/24/2020	KAP
Sulfate (SO ₄ ²⁻) ^A	mg/L	0.0567	0.181	6.27	Eluent Conductivity	06/24/2020	KAP
Iron (Fe) ^A	mg/L	NA	0.005	0.370	2500 5- B C.L.:	06/26/2020	KYA
Manganese (Mn) ^A	mg/L	NA	0.01	0.050	3500-Fe B. Colorimetric	06/26/2020	KYA

REMARKS: Sample collection was performed by the LWC Field analyst/technician and were analyzed as submitted.

DEVIATIONS: No deviations noted on sample collection and submission.

NOTE: <u>A</u> Method is not part of DENR-ELR Recognized Parameters

LEGEND: ACU: Apparent Color Unit; NTU: Nephelometric Turbidity Unit; UO: Unobjectionable; NA: Not Applicable; MDL: Method Detection Limit;

LOQ: Limit of Quantification

METHOD REFERENCE: Standard Methods for the Examination of Water and Wastewater, 23rd Edition

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CERTIFIED CORRECT BY:

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WEBSITE: www.lagunawater.com.ph

CUSTOMER NAME : Laguna AAAWater Corporation

ADDRESS : G/F One Evotech Bldg., Nuvali, Santa Rosa City, Laguna, Philippines

ATTENTION : N/A

SUMMARY OF LABORATORY ANALYSIS

SAMPLE CODE : S20-4239

DATE/TIME SUBMITTED

TOTAL PARAMETERS TESTED

: 06/23/2020 16:00

DATE/TIME COLLECTION

: 06/23/2020 11:13

COLLECTED BY

: Edwin O. Aguilar

NO. OF SAMPLES

: 1

: 15

SAMPLE LOCATION

: CLUBHOUSE, METROVILLE COMPLEX, BRGY. HALANG, BIÑAN CITY, LAGUNA

SAMPLE CHARACTERISTICS

: 2000 mL water sample in polyethylene bottle

PARAMETER(S)	UNIT	MDL	LOQ	RESULT(S)	METHODIC	ANALYSI	S
7 (10 (17)	01111	IVIDE	LOQ	RESULT(S)	METHOD(S)	DATE	BY
pH / Temperature	-/°C	NA	NA	7.89/30.2	4500-H*. Electrometric	06/23/2020	EOA
Residual Chlorine ^A	mg/L	0.063	0.20	0.370	4500-Cl-G.DPD Colorimetric	06/23/2020	EOA
Color	ACU	2	NA	<2	2120B. Visual Comparison (Pt-Co)	06/23/2020	KAP
Taste ^A	-	NA	NA	UO	2160. Sensory	06/23/2020	KAP
Odor ^A	-	NA	NA	UO	2150. Sensory	06/23/2020	KAP
Turbidity ^A	NTU	0.115	0.365	<0.115	2130. Nephelometric	06/24/2020	KAP
Total Hardness as CaCO ₃ A	mg/L	0.469	1.49	172	2340C. EDTA Titrimetric	06/26/2020	KAP
Total Dissolved Solids	mg/L	4.77	12.5	320	2540C. Gravimetric, dried @ 180°C	06/23/2020	KAP
Nitrate (NO₃⁻) ^A	mg/L	0.0574	0.183	0.261		06/24/2020	KAP
Chloride (Cl ⁻) ^A	mg/L	0.0372	0.119	6.71	4110B. Ion Chromatography	06/24/2020	KAP
Fluoride (F ⁻) ^A	mg/L	0.0524	0.167	0.289	with Chemical Suppression of	06/24/2020	KAP
Sulfate (SO ₄ ²⁻) ^A	mg/L	0.0567	0.181	6.25	Eluent Conductivity	06/24/2020	KAP
Iron (Fe) ^A	mg/L	NA	0.005	0.410	3500 5- 0 6 1 :	06/26/2020	KYA
Manganese (Mn) ^A	mg/L	NA	0.01	0.080	3500-Fe B. Colorimetric	06/26/2020	KYA

REMARKS: Sample collection was performed by the LWC Field analyst/technician and were analyzed as submitted.

DEVIATIONS: No deviations noted on sample collection and submission.

NOTE: <u>A</u> Method is not part of DENR-ELR Recognized Parameters

LEGEND: ACU: Apparent Color Unit; NTU: Nephelometric Turbidity Unit; UO: Unobjectionable; NA: Not Applicable; MDL: Method Detection Limit;

LOQ: Limit of Quantification

METHOD REFERENCE: Standard Methods for the Examination of Water and Wastewater, 23rd Edition

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CERTIFIED CORRECT BY:

AUTHORIZED BY:

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CONTACT NO.: (049) 543-1916 WEBSITE: www.lagunawater.com.ph

CUSTOMER NAME : Laguna AAAWater Corporation

ADDRESS : G/F One Evotech Bldg., Nuvali, Santa Rosa City, Laguna, Philippines

ATTENTION : N/A

DATE/TIME COLLECTION

SUMMARY OF LABORATORY ANALYSIS

SAMPLE CODE : S20-4240 **DATE/TIME SUBMITTED**

: 06/23/2020 10:30

: 06/23/2020 16:00 **COLLECTED BY** : Edwin O. Aguilar

NO. OF SAMPLES : 1 **TOTAL PARAMETERS TESTED** : 15

SAMPLE LOCATION : WATER PUMP, 9067 MANILA S ROAD, BRGY. SORO-SORO, BIÑAN CITY, LAGUNA

SAMPLE CHARACTERISTICS : 2000 mL water sample in polyethylene bottle

PARAMETER(S)	UNIT	MDL	LOQ	RESULT(S)	METHOD(C)	ANALYSI	S
TAIMINETER(S)	Olili	IVIDE	LOQ	RESOLI(S)	METHOD(S)	DATE	BY
pH / Temperature	-/°C	NA	NA	7.08/27.2	4500-H ⁺ . Electrometric	06/23/2020	EOA
Residual Chlorine ^A	mg/L	0.063	0.20	0.320	4500-Cl-G.DPD Colorimetric	06/23/2020	EOA
Color	ACU	2	NA	<2	2120B. Visual Comparison (Pt-Co)	06/23/2020	KAP
Taste ^A	-	NA	NA	UO	2160. Sensory	06/23/2020	KAP
Odor ^A	-	NA	NA	UO	2150. Sensory	06/23/2020	KAP
Turbidity ^A	NTU	0.115	0.365	<0.115	2130. Nephelometric	06/24/2020	KAP
Total Hardness as CaCO ₃ ^A	mg/L	0.469	1.49	167	2340C. EDTA Titrimetric	06/26/2020	KAP
Total Dissolved Solids	mg/L	4.77	12.5	317	2540C. Gravimetric, dried @ 180°C	06/23/2020	KAP
Nitrate (NO₃⁻) ^A	mg/L	0.0574	0.183	0.250	4445	06/24/2020	KAP
Chloride (Cl ⁻) ^A	mg/L	0.0372	0.119	6.65	4110B. Ion Chromatography	06/24/2020	KAP
Fluoride (F ⁻) ^A	mg/L	0.0524	0.167	0.287	with Chemical Suppression of	06/24/2020	KAP
Sulfate (SO ₄ ²⁻) ^A	mg/L	0.0567	0.181	6.22	Eluent Conductivity	06/24/2020	KAP
Iron (Fe) ^A	mg/L	NA	0.005	0.350	2500 5- 0 6-1	06/26/2020	KYA
Manganese (Mn) ^A	mg/L	NA	0.01	0.110	3500-Fe B. Colorimetric	06/26/2020	KYA

REMARKS: Sample collection was performed by the LWC Field analyst/technician and were analyzed as submitted.

DEVIATIONS: No deviations noted on sample collection and submission.

NOTE: A Method is not part of DENR-ELR Recognized Parameters

LEGEND: ACU: Apparent Color Unit; NTU: Nephelometric Turbidity Unit; UO: Unobjectionable; NA: Not Applicable; MDL: Method Detection Limit;

LOQ: Limit of Quantification

METHOD REFERENCE: Standard Methods for the Examination of Water and Wastewater, 23rd Edition

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CERTIFIED CORRECT BY:

AUTHORIZED BY:

KRISTEEN Y. ALDAY, RCh **Analytical Services Unit Manager** PRC License No. 0013295

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DOH Accredited Testing Laboratory (04A-001-1820-LW-2)
DENR Environmental Laboratory Recognition (ELR Code 04-30)
PNRI (RML No. Y04.04132.17)

PRC Certificate of Authority to Operate No. 111 PNP (License No. PDD03-230616-04201)

ADDRESS: 8 North Science Avenue, Laguna Technopark Inc., Brgy. Biñan (Poblacion), Biñan City, Laguna

CONTACT NO.: (049) 543-1916
WEBSITE: www.lagunawater.com.ph

CUSTOMER NAME : Laguna AAAWater Corporation

ADDRESS : G/F One Evotech Bldg., Nuvali, Santa Rosa City, Laguna, Philippines

ATTENTION : N/A

SUMMARY OF LABORATORY ANALYSIS

SAMPLE CODE : **S20-4241 DATE/TIME SUBMITTED** : 06/23/2020 16:00

DATE/TIME COLLECTION : 06/23/2020 10:41 COLLECTED BY : Edwin O. Aguilar

NO. OF SAMPLES :1 TOTAL PARAMETERS TESTED :15

SAMPLE LOCATION : #76 MANILA S ROAD, BRGY. SORO-SORO, BIÑAN CITY, LAGUNA

SAMPLE CHARACTERISTICS : 2000 mL water sample in polyethylene bottle

PARAMETER(S)	UNIT	MDL	LOQ	DECLUTION	METHOD(C)	ANALYSI	S
PARAMETER(3)	OMI	IVIDE	LOQ	RESULT(S)	METHOD(S)	DATE	BY
pH / Temperature	-/°C	NA	NA	7.90/29.8	4500-H ⁺ . Electrometric	06/23/2020	EOA
Residual Chlorine ^A	mg/L	0.063	0.20	0.280	4500-Cl-G.DPD Colorimetric	06/23/2020	EOA
Color	ACU	2	NA	<2	2120B. Visual Comparison (Pt-Co)	06/23/2020	KAP
Taste ^A		NA	NA	UO	2160. Sensory	06/23/2020	KAP
Odor ^A	-	NA	NA	UO	2150. Sensory	06/23/2020	KAP
Turbidity ^A	NTU	0.115	0.365	<0.115	2130. Nephelometric	06/24/2020	KAP
Total Hardness as CaCO ₃ ^A	mg/L	0.469	1.49	174	2340C. EDTA Titrimetric	06/26/2020	KAP
Total Dissolved Solids	mg/L	4.77	12.5	380	2540C. Gravimetric, dried @ 180°C	06/23/2020	KAP
Nitrate (NO₃⁻) ^A	mg/L	0.0574	0.183	0.241	44400 1 01 1	06/24/2020	KAP
Chloride (Cl ⁻) ^A	mg/L	0.0372	0.119	6.75	4110B. Ion Chromatography	06/24/2020	KAP
Fluoride (F ⁻) ^A	mg/L	0.0524	0.167	0.289	with Chemical Suppression of	06/24/2020	KAP
Sulfate (SO ₄ ²⁻) ^A	mg/L	0.0567	0.181	6.23	Eluent Conductivity	06/24/2020	KAP
Iron (Fe) ^A	mg/L	NA	0.005	0.350	3500 Fa D. Caladian state	06/26/2020	KYA
Manganese (Mn) ^A	mg/L	NA	0.01	0.110	3500-Fe B. Colorimetric	06/26/2020	KYA

REMARKS: Sample collection was performed by the LWC Field analyst/technician and were analyzed as submitted.

DEVIATIONS: No deviations noted on sample collection and submission.

NOTE: <u>A</u> Method is not part of DENR-ELR Recognized Parameters

LEGEND: ACU: Apparent Color Unit; NTU: Nephelometric Turbidity Unit; UO: Unobjectionable; NA: Not Applicable; MDL: Method Detection Limit;

LOQ: Limit of Quantification

METHOD REFERENCE: Standard Methods for the Examination of Water and Wastewater, 23rd Edition

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CERTIFIED CORRECT BY:

AUTHORIZED BY:

KRISTEEN Y. ALDAY, RCh Analytical Services Unit Manager PRC License No. 0013295

ANNA KARLA S. GUTTERREZ, RMT Laboratory Services Manager License No. PRC 0060968



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CUSTOMER NAME : Laguna AAAWater Corporation

ADDRESS : G/F One Evotech Bldg., Nuvali, Santa Rosa City, Laguna, Philippines

ATTENTION : N/A

SUMMARY OF LABORATORY ANALYSIS

SAMPLE CODE : S20-4242 DAT

DATE/TIME SUBMITTED : 06/23/2020 16:00

DATE/TIME COLLECTION

: 06/23/2020 11:20

COLLECTED BY

: Edwin O. Aguilar

NO. OF SAMPLES

: 1

TOTAL PARAMETERS TESTED

: 15

SAMPLE LOCATION

: CLUBHOUSE, GOLDEN CITY SUBDIVISION, BRGY. CANLALAY, BIÑAN CITY, LAGUNA

SAMPLE CHARACTERISTICS

: 2000 mL water sample in polyethylene bottle

PARAMETER(S)	UNIT	MDL	LOQ	RESULT(S)	MAETHOD(C)	ANALYSI	S
FARABILIER(3)	ONIT	MIDE	LOQ	KESULI(S)	METHOD(S)	DATE	BY
pH / Temperature	-/°C	NA	NA	7.14/29.0	4500-H ⁺ . Electrometric	06/23/2020	EQA
Residual Chlorine ^A	mg/L	0.063	0.20	0.270	4500-Cl-G.DPD Colorimetric	06/23/2020	EOA
Color	ACU	2	NA	<2	2120B. Visual Comparison (Pt-Co)	06/23/2020	KAP
Taste ^A		NA	NA	UO	2160. Sensory	06/23/2020	KAP
Odor ^A	-	NA	NA	UO	2150. Sensory	06/23/2020	KAP
Turbidity ^A	NTU	0.115	0.365	<0.115	2130. Nephelometric	06/24/2020	КАР
Total Hardness as CaCO ₃ A	mg/L	0.469	1.49	167	2340C. EDTA Titrimetric	06/26/2020	KAP
Total Dissolved Solids	mg/L	4.77	12.5	330	2540C. Gravimetric, dried @ 180°C	06/23/2020	KAP
Nitrate (NO ₃ -) ^A	mg/L	0.0574	0.183	0.238	44400 1 01	06/25/2020	KAP
Chloride (Cl ⁻) ^A	mg/L	0.0372	0.119	6.69	4110B. Ion Chromatography	06/25/2020	KAP
Fluoride (F ⁻) ^A	mg/L	0.0524	0.167	0.292	with Chemical Suppression of	06/25/2020	KAP
Sulfate (SO ₄ ²⁻) ^A	mg/L	0.0567	0.181	6.03	Eluent Conductivity	06/25/2020	KAP
Iron (Fe) ^A	mg/L	NA	0.005	0.480	3500 Fa B. Caladianatolia	06/26/2020	KYA
Manganese (Mn) ^A	mg/L	NA	0.01	0.060	3500-Fe B. Colorimetric	06/26/2020	KYA

REMARKS: Sample collection was performed by the LWC Field analyst/technician and were analyzed as submitted.

DEVIATIONS: No deviations noted on sample collection and submission.

NOTE: A Method is not part of DENR-ELR Recognized Parameters

LEGEND: ACU: Apparent Color Unit; NTU: Nephelometric Turbidity Unit; UO: Unobjectionable; NA: Not Applicable; MDL: Method Detection Limit;

LOQ: Limit of Quantification

METHOD REFERENCE: Standard Methods for the Examination of Water and Wastewater, 23rd Edition

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CERTIFIED CORRECT BY:

AUTHORIZED BY:

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: Edwin O. Aguilar

PNRI (RML No. Y04.04132.17)

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CUSTOMER NAME : Laguna AAAWater Corporation

ADDRESS : G/F One Evotech Bldg., Nuvali, Santa Rosa City, Laguna, Philippines

ATTENTION : N/A

DATE/TIME COLLECTION

SUMMARY OF LABORATORY ANALYSIS

COLLECTED BY

SAMPLE CODE : \$20-4244 **DATE/TIME SUBMITTED** : 06/23/2020 16:00

NO. OF SAMPLES : 1 **TOTAL PARAMETERS TESTED** : 15

: 06/23/2020 11:40

SAMPLE LOCATION : 9022 WATER PUMP, FARAON SUBDIVISION, BRGY. SAN ANTONIO, BIÑAN CITY, LAGUNA

SAMPLE CHARACTERISTICS : 2000 mL water sample in polyethylene bottle

PARAMETER(S)	UNIT	MDL	LOQ	DECLUTION	METHOD(C)	ANALYSI	S
ranameren(3)	ONT	MIDE	LOQ	RESULT(S)	METHOD(S)	DATE	BY
pH / Temperature	-/°C	NA	NA	7.09/29.0	4500-H ⁺ . Electrometric	06/23/2020	EOA
Residual Chlorine ^A	mg/L	0.063	0.20	0.380	4500-CI-G.DPD Colorimetric	06/23/2020	EOA
Color	ACU	2	NA	<2	2120B. Visual Comparison (Pt-Co)	06/23/2020	КАР
Taste ^A	-	NA	NA	UO	2160. Sensory	06/23/2020	KAP
Odor ^A	-	NA	NA	UO	2150. Sensory	06/23/2020	KAP
Turbidity ^A	NTU	0.115	0.365	<0.115	2130. Nephelometric	06/24/2020	KAP
Total Hardness as CaCO ₃ ^A	mg/L	0.469	1.49	170	2340C. EDTA Titrimetric	06/26/2020	KAP
Total Dissolved Solids	mg/L	4.77	12.5	297	2540C. Gravimetric, dried @ 180°C	06/23/2020	КАР
Nitrate (NO₃⁻) ^A	mg/L	0.0574	0.183	0.253	44400 1 01 1	06/25/2020	KAP
Chloride (Cl ⁻) ^A	mg/L	0.0372	0.119	6.69	4110B. Ion Chromatography	06/25/2020	KAP
Fluoride (F ⁻) ^A	mg/L	0.0524	0.167	0.290	with Chemical Suppression of	06/25/2020	KAP
Sulfate (SO ₄ ²⁻) ^A	mg/L	0.0567	0.181	6.08	Eluent Conductivity	06/25/2020	KAP
Iron (Fe) ^A	mg/L	NA	0.005	0.670	3500 Fa B. Calarinastria	06/26/2020	KYA
Manganese (Mn) ^A	mg/L	NA	0.01	0.060	3500-Fe B. Colorimetric	06/26/2020	KYA

REMARKS: Sample collection was performed by the LWC Field analyst/technician and were analyzed as submitted.

DEVIATIONS: No deviations noted on sample collection and submission.

NOTE: A Method is not part of DENR-ELR Recognized Parameters

LEGEND: ACU: Apparent Color Unit; NTU: Nephelometric Turbidity Unit; UO: Unobjectionable; NA: Not Applicable; MDL: Method Detection Limit;

LOQ: Limit of Quantification

METHOD REFERENCE: Standard Methods for the Examination of Water and Wastewater, 23rd Edition

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CERTIFIED CORRECT BY:

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CUSTOMER NAME : Laguna AAAWater Corporation

ADDRESS : G/F One Evotech Bldg., Nuvali, Santa Rosa City, Laguna, Philippines

ATTENTION : N/A

SUMMARY OF LABORATORY ANALYSIS

SAMPLE CODE : **S20-4245 DATE/TIME SUBMITTED** : 06/23/2020 16:00

DATE/TIME COLLECTION : 06/23/2020 12:00 COLLECTED BY : Edwin O. Aguilar

NO. OF SAMPLES : 1 TOTAL PARAMETERS TESTED : 15

SAMPLE LOCATION : FARAON HEALTH CENTER, BRGY. SAN ANTONIO, BIÑAN CITY, LAGUNA

SAMPLE CHARACTERISTICS : 2000 mL water sample in polyethylene bottle

PARAMETER(S)	UNIT	MDL	LOQ	RESULT(S)	METHOD(S)	ANALYSI	S
· Allanie i Engaj	Olili	IVIDE	LOQ	RESULT(S)	WETHOD(S)	DATE	BY
pH / Temperature	-/°C	NA	NA	7.99/30.1	4500-H ⁺ . Electrometric	06/23/2020	EOA
Residual Chlorine ^A	mg/L	0.063	0.20	0.510	4500-Cl-G.DPD Colorimetric	06/23/2020	EOA
Color	ACU	2	NA	<2	2120B. Visual Comparison (Pt- Co)	06/23/2020	KAP
Taste ^A	-	NA	NA	UO	2160. Sensory	06/23/2020	KAP
Odor ^A		NA	NA	UO	2150. Sensory	06/23/2020	KAP
Turbidity ^A	NTU	0.115	0.365	<0.115	2130. Nephelometric	06/24/2020	KAP
Total Hardness as CaCO ₃ ^A	mg/L	0.469	1.49	175	2340C. EDTA Titrimetric	06/26/2020	КАР
Total Dissolved Solids	mg/L	4.77	12.5	303	2540C. Gravimetric, dried @ 180°C	06/23/2020	KAP
Nitrate (NO ₃ -) ^A	mg/L	0.0574	0.183	0.239		06/25/2020	KAP
Chloride (Cl ⁻) ^A	mg/L	0.0372	0.119	6.69	4110B. Ion Chromatography	06/25/2020	KAP
Fluoride (F ⁻) ^A	mg/L	0.0524	0.167	0.288	with Chemical Suppression of	06/25/2020	KAP
Sulfate (SO ₄ ²⁻) ^A	mg/L	0.0567	0.181	6.03	Eluent Conductivity	06/25/2020	KAP
Iron (Fe) ^A	mg/L	NA	0.005	0.560	3500 5- B Colorian	06/26/2020	KYA
Manganese (Mn) ^A	mg/L	NA	0.01	0.150	3500-Fe B. Colorimetric	06/26/2020	KYA

REMARKS: Sample collection was performed by the LWC Field analyst/technician and were analyzed as submitted.

DEVIATIONS: No deviations noted on sample collection and submission.

NOTE: <u>A</u> Method is not part of DENR-ELR Recognized Parameters

LEGEND: ACU: Apparent Color Unit; NTU: Nephelometric Turbidity Unit; UO: Unobjectionable; NA: Not Applicable; MDL: Method Detection Limit;

LOQ: Limit of Quantification

METHOD REFERENCE: Standard Methods for the Examination of Water and Wastewater, 23rd Edition

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CERTIFIED CORRECT BY:

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CUSTOMER NAME: Laguna AAAWater Corporation

ADDRESS : G/F One Evotech Bldg., Nuvali, Santa Rosa City, Laguna, Philippines

ATTENTION : N/A

SUMMARY OF LABORATORY ANALYSIS

SAMPLE CODE : **S20-4248 DATE/TIME SUBMITTED** : 06/23/2020 16:00

DATE/TIME COLLECTION : 06/23/2020 13:10 COLLECTED BY : Edwin O. Aguilar

NO. OF SAMPLES : 1 TOTAL PARAMETERS TESTED : 15

SAMPLE LOCATION : WATER PUMP, ALMEDA SUBDIVISION, BRGY. DELA PAZ, BIÑAN CITY, LAGUNA

SAMPLE CHARACTERISTICS: 2000 mL water sample in polyethylene bottle

PARAMETER(S)	UNIT	MDL	LOQ	RESULT(S)	METHOD(C)	ANALYSI	S
I AIMIETER(S)	OMI	IVIDL	LOQ	KESULI(S)	METHOD(S)	DATE	BY
pH / Temperature	-/°C	NA	NA	7.46/29.0	4500-H ⁺ . Electrometric	06/23/2020	EOA
Residual Chlorine ^A	mg/L	0.063	0.20	0.650	4500-CI-G.DPD Colorimetric	06/23/2020	EOA
Color	ACU	2	NA	<2	2120B. Visual Comparison (Pt-Co)	06/23/2020	KAP
Taste ^A	-	NA	NA	UO	2160. Sensory	06/23/2020	KAP
Odor ^A	-	NA	NA.	UO	2150. Sensory	06/23/2020	KAP
Turbidity ^A	NTU	0.115	0.365	<0.115	2130. Nephelometric	06/24/2020	KAP
Total Hardness as CaCO ₃ ^A	mg/L	0.469	1.49	173	2340C. EDTA Titrimetric	06/26/2020	KAP
Total Dissolved Solids	mg/L	4.77	12.5	280	2540C. Gravimetric, dried @ 180°C	06/23/2020	KAP
Nitrate (NO ₃ -) ^A	mg/L	0.0574	0.183	0.263	44400 1 01	06/25/2020	KAP
Chloride (Cl ⁻) ^A	mg/L	0.0372	0.119	6.74	4110B. Ion Chromatography	06/25/2020	KAP
Fluoride (F ⁻) ^A	mg/L	0.0524	0.167	0.288	with Chemical Suppression of	06/25/2020	KAP
Sulfate (SO ₄ ²⁻) ^A	mg/L	0.0567	0.181	6.02	Eluent Conductivity	06/25/2020	KAP
Iron (Fe) ^A	mg/L	NA	0.005	0.560	3500 Fe D. Caladia atria	06/26/2020	KYA
Manganese (Mn) ^A	mg/L	NA	0.01	0.150	3500-Fe B. Colorimetric	06/26/2020	KYA

REMARKS: Sample collection was performed by the LWC Field analyst/technician and were analyzed as submitted.

DEVIATIONS: No deviations noted on sample collection and submission.

NOTE: <u>A</u> Method is not part of DENR-ELR Recognized Parameters

LEGEND: ACU: Apparent Color Unit; NTU: Nephelometric Turbidity Unit; UO: Unobjectionable; NA: Not Applicable; MDL: Method Detection Limit;

LOQ: Limit of Quantification

METHOD REFERENCE: Standard Methods for the Examination of Water and Wastewater, 23rd Edition

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CERTIFIED CORRECT BY:

KRISTEEN Y. ALDAY, RCh Analytical Services Unit Manager PRC License No. 0013295 **AUTHORIZED BY:**

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CUSTOMER NAME : Laguna AAAWater Corporation

ADDRESS : G/F One Evotech Bldg., Nuvali, Santa Rosa City, Laguna, Philippines

ATTENTION : N/A

SUMMARY OF LABORATORY ANALYSIS

SAMPLE CODE : S20-4249 **DATE/TIME SUBMITTED** : 06/23/2020 16:00

DATE/TIME COLLECTION : 06/23/2020 13:20 **COLLECTED BY** : Edwin O. Aguilar

NO. OF SAMPLES :1 **TOTAL PARAMETERS TESTED** : 15

SAMPLE LOCATION : BARANGAY HALL, BRGY. DELA PAZ, BIÑAN CITY, LAGUNA

SAMPLE CHARACTERISTICS : 2000 mL water sample in polyethylene bottle

PARAMETER(S)	UNIT	MDL	LOQ	DECLUTIC)	METHODIS	ANALYSI:	S
PARAIVIETER(3)	ONII	IVIDE	LUQ	RESULT(S)	METHOD(S)	DATE	BY
pH / Temperature	-/°C	NA	NA	7.29/29.6	4500-H ⁺ . Electrometric	06/23/2020	EOA
Residual Chlorine ^A	mg/L	0.063	0.20	0.550	4500-CI-G.DPD Colorimetric	06/23/2020	EOA
Color	ACU	2	NA	<2	2120B. Visual Comparison (Pt-Co)	06/23/2020	KAP
Taste ^A	-	NA	NA	UO	2160. Sensory	06/23/2020	KAP
Odor ^A	-	NA	NA	UO	2150. Sensory	06/23/2020	KAP
Turbidity ^A	NTU	0.115	0.365	<0.115	2130. Nephelometric	06/24/2020	KAP
Total Hardness as CaCO ₃ ^A	mg/L	0.469	1.49	180	2340C. EDTA Titrimetric	06/26/2020	KAP
Total Dissolved Solids	mg/L	4.77	12.5	327	2540C. Gravimetric, dried @ 180°C	06/23/2020	KAP
Nitrate (NO ₃ -) ^A	mg/L	0.0574	0.183	0.243	44400 1 01 1	06/25/2020	KAP
Chloride (Cl ⁻) ^A	mg/L	0.0372	0.119	6.68	4110B. Ion Chromatography	06/25/2020	KAP
Fluoride (F ⁻) ^A	mg/L	0.0524	0.167	0.289	with Chemical Suppression of	06/25/2020	KAP
Sulfate (SO ₄ ²⁻) ^A	mg/L	0.0567	0.181	6.03	Eluent Conductivity	06/25/2020	KAP
Iron (Fe) ^A	mg/L	NA	0.005	0.510	2500 Fe B. Calarinantria	06/26/2020	KYA
Manganese (Mn) ^A	mg/L	NA	0.01	0.160	3500-Fe B. Colorimetric	06/26/2020	KYA

REMARKS: Sample collection was performed by the LWC Field analyst/technician and were analyzed as submitted.

DEVIATIONS: No deviations noted on sample collection and submission.

NOTE: A Method is not part of DENR-ELR Recognized Parameters

LEGEND: ACU: Apparent Color Unit; NTU: Nephelometric Turbidity Unit; UO: Unobjectionable; NA: Not Applicable; MDL: Method Detection Limit;

LOQ: Limit of Quantification

METHOD REFERENCE: Standard Methods for the Examination of Water and Wastewater, 23rd Edition

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CERTIFIED CORRECT BY:

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AUTHORIZED BY:

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CUSTOMER NAME : Laguna AAAWater Corporation

ADDRESS : G/F One Evotech Bldg., Nuvali, Santa Rosa City, Laguna, Philippines

ATTENTION : N/A

SUMMARY OF LABORATORY ANALYSIS

SAMPLE CODE : S20-4252 **DATE/TIME SUBMITTED** : 06/23/2020 16:35

DATE/TIME COLLECTION : 06/23/2020 16:20 **COLLECTED BY** Jill Precious Lucina

NO. OF SAMPLES :1 **TOTAL PARAMETERS TESTED** : 15

SAMPLE LOCATION : DEEPWELL 20

SAMPLE CHARACTERISTICS : 2000 mL water sample in polyethylene bottle

PARAMETER(S)	UNIT	MDL	LOQ	RESULT(S)	MATTHOD(C)	ANALYSI	S
	Oilli	NIDE EOQ RESOLI(S) MIETHOD(S)	METHOD(S)	DATE	BY		
pH / Temperature	-/°C	NA	NA	7.01/26.0	4500-H ⁺ . Electrometric	06/24/2020	KAP
Residual Chlorine ^A	mg/L	0.063	0.20	<0.0630	4500-CI-G.DPD Colorimetric	06/26/2020	KAP
Color	ACU	2	NA	<2	2120B. Visual Comparison (Pt-Co)	06/24/2020	KAP
Taste ^A	*	NA	NA	UO	2160. Sensory	06/23/2020	KAP
Odor ^A	-	NA	NA	UO	2150. Sensory	06/23/2020	KAP
Turbidity ^A	NTU	0.115	0.365	0.150	2130. Nephelometric	06/24/2020	КАР
Total Hardness as CaCO ₃ ^A	mg/L	0.469	1.49	180	2340C. EDTA Titrimetric	06/26/2020	KAP
Total Dissolved Solids	mg/L	4.77	12.5	270	2540C. Gravimetric, dried @ 180°C	06/25/2020	KAP
Nitrate (NO₃⁻) ^A	mg/L	0.0574	0.183	2.61	44405 1 51	06/25/2020	KAP
Chloride (Cl ⁻) ^A	mg/L	0.0372	0.119	3.60	4110B. Ion Chromatography	06/25/2020	KAP
Fluoride (F ⁻) ^A	mg/L	0.0524	0.167	0.300	with Chemical Suppression of	06/25/2020	KAP
Sulfate (SO ₄ ²⁻) ^A	mg/L	0.0567	0.181	5.46	Eluent Conductivity	06/25/2020	KAP
Iron (Fe) ^A	mg/L	NA	0.005	0.540		06/26/2020	KYA
Manganese (Mn) ^A	mg/L	NA	0.01	0.080	3500-Fe B. Colorimetric	06/26/2020	KYA

REMARKS: Sample collection were analyzed as submitted.

DEVIATIONS: No deviations noted on sample collection and submission.

NOTE: A Method is not part of DENR-ELR Recognized Parameters

LEGEND: ACU: Apparent Color Unit; NTU: Nephelometric Turbidity Unit; UO: Unobjectionable; NA: Not Applicable; MDL: Method Detection Limit;

LOQ: Limit of Quantification

METHOD REFERENCE: Standard Methods for the Examination of Water and Wastewater, 23rd Edition

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KRISTEEN Y. ALDAY, RCh. Analytical Services Unit Manager PRC License No. 0013295

CERTIFIED CORRECT BY:

AUTHORIZED BY:

Laboratory Services Manager License No. PRC 0060968



DOH Accredited Testing Laboratory (04A-001-1820-LW-2)
DENR Environmental Laboratory Recognition (ELR Code 04-30)
PNRI (RML No. Y04.04132.17)

PRC Certificate of Authority to Operate No. 111

PNP (License No. PDD03-230616-04201)

ADDRESS: 8 North Science Avenue, Laguna Technopark Inc., Brgy. Biñan (Poblacion), Biñan City, Laguna

CONTACT NO.: (049) 543-1916
WEBSITE: www.lagunawater.com.ph

CUSTOMER NAME: Laguna AAAWater Corporation

ADDRESS : G/F One Evotech Bldg., Nuvali, Santa Rosa City, Laguna, Philippines

ATTENTION : N/A

SUMMARY OF LABORATORY ANALYSIS

 SAMPLE CODE
 : 520-4280
 DATE/TIME SUBMITTED
 : 06/24/2020 16:02

 DATE/TIME COLLECTION
 : 06/24/2020 13:00
 COLLECTED BY
 : Edwin O. Aguilar

NO. OF SAMPLES : 1 TOTAL PARAMETERS TESTED : 15

SAMPLE LOCATION : DRINKING FOUNTAIN, CANLALAY ELEMENTRAY SCHOOL, BRGY. CANLALAY, BIÑAN CITY,

LAGUNA

SAMPLE CHARACTERISTICS: 2000 mL water sample in polyethylene bottle

PARAMETER(S)	UNIT	UNIT MDL	100 000	DECLUTION	METHOD(S)	ANALYSIS	
	UNIT	IVIDE	LOQ	RESULT(S)		DATE	BY
pH / Temperature	-/°C	NA	NA	7.46/29.8	4500-H ⁺ . Electrometric	06/24/2020	EOA
Residual Chlorine ^A	mg/L	0.063	0.20	0.360	4500-CI-G.DPD Colorimetric	06/24/2020	EOA
Color	ACU	2	NA	5	2120B. Visual Comparison (Pt-Co)	06/25/2020	KAP
Taste ^A	-	NA	NA	UO	2160. Sensory	06/24/2020	KAP
Odor ^A	-	NA	NA	UO	2150. Sensory	06/24/2020	KAP
Turbidity ^A	NTU	0.115	0.365	<0.115	2130. Nephelometric	06/25/2020	KAP
Total Hardness as CaCO₃ ^A	mg/L	0.469	1.49	178	2340C. EDTA Titrimetric	06/26/2020	KAP
Total Dissolved Solids	mg/L	4.77	12.5	320	2540C. Gravimetric, dried @ 180°C	06/26/2020	KAP
Nitrate (NO₃⁻) ^A	mg/L	0.0574	0.183	0.242	44400 61 1	06/25/2020	KAP
Chloride (Cl ⁻) ^A	mg/L	0.0372	0.119	6.70	4110B. Ion Chromatography	06/25/2020	KAP
Fluoride (F ⁻) ^A	mg/L	0.0524	0.167	0.288	with Chemical Suppression of Eluent Conductivity	06/25/2020	KAP
Sulfate (SO ₄ ²⁻) ^A	mg/L	0.0567	0.181	5.98		06/25/2020	KAP
Iron (Fe) ^A	mg/L	NA	0.005	0.540	3500-Fe B. Colorimetric	06/26/2020	KYA
Manganese (Mn) ^A	mg/L	NA	0.01	0.090		06/26/2020	KYA

REMARKS: Sample collection was performed by the LWC Field analyst/technician and were analyzed as submitted.

DEVIATIONS: No deviations noted on sample collection and submission.

NOTE: A Method is not part of DENR-ELR Recognized Parameters

LEGEND: ACU: Apparent Color Unit; NTU: Nephelometric Turbidity Unit; UO: Unobjectionable; NA: Not Applicable; MDL: Method Detection Limit;

LOQ: Limit of Quantification

METHOD REFERENCE: Standard Methods for the Examination of Water and Wastewater, 23rd Edition

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CUSTOMER NAME : Laguna AAAWater Corporation

ADDRESS : G/F One Evotech Bldg., Nuvali, Santa Rosa City, Laguna, Philippines

ATTENTION : N/A

SUMMARY OF LABORATORY ANALYSIS

SAMPLE CODE : **S20-4281 DATE/TIME SUBMITTED** : 06/24/2020 16:02

DATE/TIME COLLECTION : 06/24/2020 13:40 COLLECTED BY : Edwin O. Aguilar

NO. OF SAMPLES : 1 TOTAL PARAMETERS TESTED : 15

SAMPLE LOCATION : SOURCE, BRGY. SAN ANTONIO, BIÑAN CITY, LAGUNA

SAMPLE CHARACTERISTICS : 2000 mL water sample in polyethylene bottle

PARAMETER(S)	UNIT	MDL	100	LOQ RESULT(S) METHOD(S)	METHOD(C)	ANALYSI	S
	Oldi	ONIS WIDE	LOQ		WETHOD(3)	DATE	BY
pH / Temperature	-/°C	NA	NA	7.29/28.6	4500-H ⁺ . Electrometric	06/24/2020	EOA
Residual Chlorine ^A	mg/L	0.063	0.20	0.560	4500-Cl-G.DPD Colorimetric	06/24/2020	EOA
Color	ACU	2	NA	10	2120B. Visual Comparison (Pt- Co)	06/25/2020	KAP
Taste ^A		NA	NA	UO	2160. Sensory	06/24/2020	KAP
Odor ^A		NA	NA	UO	2150. Sensory	06/24/2020	KAP
Turbidity ^A	NTU	0.115	0.365	<0.115	2130. Nephelometric	06/25/2020	KAP
Total Hardness as CaCO₃ ^A	mg/L	0.469	1.49	163	2340C. EDTA Titrimetric	06/26/2020	KAP
Total Dissolved Solids	mg/L	4.77	12.5	323	2540C. Gravimetric, dried @ 180°C	06/26/2020	KAP
Nitrate (NO ₃ -) ^A	mg/L	0.0574	0.183	0.255	44400 1	06/25/2020	KAP
Chloride (Cl ⁻) ^A	mg/L	0.0372	0.119	6.68	4110B. Ion Chromatography	06/25/2020	KAP
Fluoride (F ⁻) ^A	mg/L	0.0524	0.167	0.288	with Chemical Suppression of	06/25/2020	KAP
Sulfate (SO ₄ ²⁻) ^A	mg/L	0.0567	0.181	5.96	Eluent Conductivity	06/25/2020	KAP
Iron (Fe) ^A	mg/L	NA	0.005	0.520	3500-Fe B. Colorimetric	06/26/2020	KYA
Manganese (Mn) ^A	mg/L	NA	0.01	0.100		06/26/2020	KYA

REMARKS: Sample collection was performed by the LWC Field analyst/technician and were analyzed as submitted.

DEVIATIONS: No deviations noted on sample collection and submission.

NOTE: A Method is not part of DENR-ELR Recognized Parameters

LEGEND: ACU: Apparent Color Unit; NTU: Nephelometric Turbidity Unit; UO: Unobjectionable; NA: Not Applicable; MDL: Method Detection Limit;

LOQ: Limit of Quantification

METHOD REFERENCE: Standard Methods for the Examination of Water and Wastewater, 23rd Edition

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CUSTOMER NAME : Laguna AAAWater Corporation

ADDRESS : G/F One Evotech Bldg., Nuvali, Santa Rosa City, Laguna, Philippines

ATTENTION : N/A

SUMMARY OF LABORATORY ANALYSIS

SAMPLE CODE : **S20-4282 DATE/TIME SUBMITTED** : 06/24/2020 16:02

DATE/TIME COLLECTION : 06/24/2020 14:10 COLLECTED BY : Edwin O. Aguilar

NO. OF SAMPLES :1 TOTAL PARAMETERS TESTED :15

SAMPLE LOCATION : DRINKING FOUNTAIN, SAN ANTONIO ELEMENTARY SCHOOL, BRGY. SAN ANTONIO, BINAN,

LAGUNA

SAMPLE CHARACTERISTICS : 2000 mL water sample in polyethylene bottle

PARAMETER(S)	UNIT	MDL	LOQ	RESULT(S)	METHOD(C)	ANALYSIS	S
TANAMETER(5)	ONII	INIDE	LUQ	KESULI(S)	S) METHOD(S)	DATE	BY
pH / Temperature	-/°C	NA	NA	7.28/28.6	4500-H ⁺ . Electrometric	06/24/2020	EOA
Residual Chlorine ^A	mg/L	0.063	0.20	0.480	4500-Cl-G.DPD Colorimetric	06/24/2020	EOA
Color	ACU	2	NA	<2	2120B. Visual Comparison (Pt-Co)	06/25/2020	KAP
Taste ^A		NA	NA	UO	2160. Sensory	06/24/2020	KAP
Odor ^A		NA	NA	UO	2150. Sensory	06/24/2020	KAP
Turbidity ^A	NTU	0.115	0.365	<0.115	2130. Nephelometric	06/25/2020	KAP
Total Hardness as CaCO ₃ ^A	mg/L	0.469	1.49	168	2340C. EDTA Titrimetric	06/26/2020	KAP
Total Dissolved Solids	mg/L	4.77	12.5	337	2540C. Gravimetric, dried @ 180°C	06/26/2020	KAP
Nitrate (NO₃⁻) ^A	mg/L	0.0574	0.183	0.255	44400 1 0	06/25/2020	KAP
Chloride (Cl ⁻) ^A	mg/L	0.0372	0.119	6.68	4110B. Ion Chromatography	06/25/2020	KAP
Fluoride (F ⁻) ^A	mg/L	0.0524	0.167	0.287	with Chemical Suppression of	06/25/2020	KAP
Sulfate (SO ₄ ²⁻) ^A	mg/L	0.0567	0.181	5.96	Eluent Conductivity	06/25/2020	KAP
Iron (Fe) ^A	mg/L	NA	0.005	0.510	3500 5 0 0 1 1 1 1	06/26/2020	KYA
Manganese (Mn) ^A	mg/L	NA	0.01	0.090	3500-Fe B. Colorimetric	06/26/2020	KYA

REMARKS: Sample collection was performed by the LWC Field analyst/technician and were analyzed as submitted.

DEVIATIONS: No deviations noted on sample collection and submission.

NOTE: A Method is not part of DENR-ELR Recognized Parameters

LEGEND: Apparent Color Unit; NTU: Nephelometric Turbidity Unit; UO: Unobjectionable; NA: Not Applicable; MDL: Method Detection Limit;

LOQ: Limit of Quantification

METHOD REFERENCE: Standard Methods for the Examination of Water and Wastewater, 23rd Edition

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CUSTOMER NAME: Laguna AAAWater Corporation

ADDRESS : G/F One Evotech Bldg., Nuvali, Santa Rosa City, Laguna, Philippines

ATTENTION : N/A

SUMMARY OF LABORATORY ANALYSIS

SAMPLE CODE : S20-4283 **DATE/TIME SUBMITTED** : 06/24/2020 16:02

DATE/TIME COLLECTION : 06/24/2020 14:20 **COLLECTED BY** : Edwin O. Aguilar

NO. OF SAMPLES :1 **TOTAL PARAMETERS TESTED** : 15

SAMPLE LOCATION : WATER PUMP, LAGUNA FIRE STATION, BIÑAN CITY, LAGUNA

SAMPLE CHARACTERISTICS : 2000 mL water sample in polyethylene bottle

PARAMETER(S)	UNIT	MDL	100	DECLUT/C)	METHOD(S)	ANALYSIS	S
	UNII	MIDE	LOQ	RESULT(S)	METHOD(S)	DATE	BY
pH / Temperature	-/°C	NA	NA	7.41/27.8	4500-H ⁺ . Electrometric	06/24/2020	EOA
Residual Chlorine ^A	mg/L	0.063	0.20	0.600	4500-CI-G.DPD Colorimetric	06/24/2020	EOA
Color	ACU	2	NA	<2	2120B. Visual Comparison (Pt-Co)	06/25/2020	КАР
Taste ^A	-	NA	NA	UO	2160. Sensory	06/24/2020	KAP
Odor ^A	-	NA	NA	UO	2150. Sensory	06/24/2020	KAP
Turbidity ^A	NTU	0.115	0.365	<0.115	2130. Nephelometric	06/25/2020	KAP
Total Hardness as CaCO ₃ A	mg/L	0.469	1.49	174	2340C. EDTA Titrimetric	06/26/2020	KAP
Total Dissolved Solids	mg/L	4.77	12.5	353	2540C. Gravimetric, dried @ 180°C	06/26/2020	KAP
Nitrate (NO ₃ -) ^A	mg/L	0.0574	0.183	0.253	44400 1 61 1	06/25/2020	KAP
Chloride (Cl ⁻) ^A	mg/L	0.0372	0.119	6.67	4110B. Ion Chromatography	06/25/2020	KAP
Fluoride (F ⁻) ^A	mg/L	0.0524	0.167	0.290	with Chemical Suppression of Eluent Conductivity	06/25/2020	KAP
Sulfate (SO ₄ ²⁻) ^A	mg/L	0.0567	0.181	5.97		06/25/2020	KAP
Iron (Fe) ^A	mg/L	NA	0.005	0.600	3500-Fe B. Colorimetric	06/26/2020	KYA
Manganese (Mn) ^A	mg/L	NA	0.01	0.080		06/26/2020	KYA

REMARKS: Sample collection was performed by the LWC Field analyst/technician and were analyzed as submitted.

DEVIATIONS: No deviations noted on sample collection and submission.

NOTE: A Method is not part of DENR-ELR Recognized Parameters

LEGEND: ACU: Apparent Color Unit; NTU: Nephelometric Turbidity Unit; UO: Unobjectionable; NA: Not Applicable; MDL: Method Detection Limit;

LOQ: Limit of Quantification

METHOD REFERENCE: Standard Methods for the Examination of Water and Wastewater, 23rd Edition

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CUSTOMER NAME : Laguna AAAWater Corporation

ADDRESS : G/F One Evotech Bldg., Nuvali, Santa Rosa City, Laguna, Philippines

ATTENTION : N/A

SUMMARY OF LABORATORY ANALYSIS

SAMPLE CODE : S20-4284

DATE/TIME SUBMITTED

: 06/24/2020 16:02

DATE/TIME COLLECTION

: 06/24/2020 14:50

COLLECTED BY

: Edwin O. Aguilar

NO. OF SAMPLES

: 1

TOTAL PARAMETERS TESTED

: 15

SAMPLE LOCATION

: BARANGAY HALL, BRGY. DELA PAZ, BIÑAN CITY, LAGUNA

SAMPLE CHARACTERISTICS

: 2000 mL water sample in polyethylene bottle

PARAMETER(S)	UNIT	MDL	LOQ	RESULT(S)	METHOD(S)	ANALYSI	S
	OHIT	IVIDE	LOQ	RESULI(S)	IVIETHOD(S)	DATE	BY
pH / Temperature	-/°C	NA	NA	7.36/29.0	4500-H ⁺ . Electrometric	06/24/2020	EOA
Residual Chlorine ^A	mg/L	0.063	0.20	0.500	4500-Cl-G.DPD Colorimetric	06/24/2020	EOA
Color	ACU	2	NA	<2	2120B. Visual Comparison (Pt-Co)	06/25/2020	KAP
Taste ^A		NA	NA	UO	2160. Sensory	06/24/2020	KAP
Odor ^A	-	NA	NA	UO	2150. Sensory	06/24/2020	KAP
Turbidity ^A	NTU	0.115	0.365	<0.115	2130. Nephelometric	06/25/2020	KAP
Total Hardness as CaCO ₃ ^A	mg/L	0.469	1.49	164	2340C. EDTA Titrimetric	06/26/2020	KAP
Total Dissolved Solids	mg/L	4.77	12.5	357	2540C. Gravimetric, dried @ 180°C	06/26/2020	KAP
Nitrate (NO ₃ -) ^A	mg/L	0.0574	0.183	0.261	44405 1 61 1	06/25/2020	KAP
Chloride (Cl ⁻) ^A	mg/L	0.0372	0.119	6.70	4110B. Ion Chromatography	06/25/2020	KAP
Fluoride (F ⁻) ^A	mg/L	0.0524	0.167	0.289	with Chemical Suppression of	06/25/2020	KAP
Sulfate (SO ₄ ²⁻) ^A	mg/L	0.0567	0.181	6.03	Eluent Conductivity	06/25/2020	KAP
Iron (Fe) ^A	mg/L	NA	0.005	0.550		06/26/2020	KYA
Manganese (Mn) ^A	mg/L	NA	0.01	0.150	3500-Fe B. Colorimetric	06/26/2020	KYA

REMARKS: Sample collection was performed by the LWC Field analyst/technician and were analyzed as submitted.

DEVIATIONS: No deviations noted on sample collection and submission.

NOTE: <u>A.Method is not part of DENR-ELR Recognized Parameters</u>

LEGEND: ACU: Apparent Color Unit; NTU: Nephelometric Turbidity Unit; UO: Unobjectionable; NA: Not Applicable; MDL: Method Detection Limit;

LOQ: Limit of Quantification

METHOD REFERENCE: Standard Methods for the Examination of Water and Wastewater, 23rd Edition

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