

ANNEX A.

RESULTS OF  
LABORATORY  
ANALYSIS  
(ROLA)

MICROBIOLOGICAL TEST





# COSMOLAB LABORATORIES, INC.

"Caring for the Environment through Quality Testing"

**VGC**  
Group

## MICROBIOLOGICAL TEST RESULTS for DRINKING WATER

DOH Water Laboratory Accreditation No. 04A-0006-2022-LW-2

NAME OF CLIENT: CARMONA WATER DISTRICT

RLA No.: ML 004764

Date : March 20, 2020

SAMPLE DESCRIPTION: Raw Water (Amerfina Diaz)  
Submitted By: Carmona Water District  
Date Received: March 11, 2020  
Date of Sampling: March 11, 2020  
Time of Sampling: 9:08 AM  
Place of Sampling: 251 San Jose Street, Carmona, Cavite  
Source of Sampling: Water District  
CCWD01G

Test Requested	Methodology	No. of Positive Tubes (out of five tubes)	Results	Standards
Total Coliform	Multiple Tube Fermentation	0	less than 1.1	less than 1.1
Thermotolerant Coliform (E.Coli)	Multiple Tube Fermentation	0	less than 1.1	less than 1.1

Test Requested	Description	Methodology	Results	Standards
Heterotrophic Plate Count	Total Microbial Load	Pour Plate Method	58	less than 500

Note: The methodology used for coliform detection is the Multiple Tube Fermentation Technique as required by the Department of Health. The Heterotrophic Plate Count or the Total Microbial Load is being determined using the Pour Plate Method. The HPC is required in determining water potability (PNSDW 2017)

### REMARKS:

The results showed that the water sample submitted **PASSED** the DOH standard for drinking water. Results are those obtained at time of examination and relate only to the sample/s tested.

### REFERENCES:

Philippine National Standards for Drinking Water, 2017, Department of Health  
Standard Methods for the Examination of Drinking Water and Wastewater  
20th Edition, APHA, Washington, DC, 2005

Certified by :

Maricel S. Palogan, RMT  
Laboratory Microbiologist  
PRC Reg. No. 39410  
WMLA-19-1008

Approved by:

Engr. Carlos B. Castromayor  
Laboratory Manager  
PRC Reg. No 18428

Noted by:

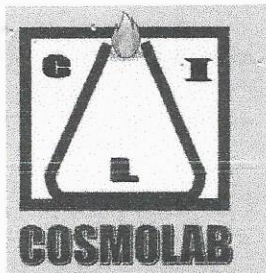
Engr. Ali M. Villamor  
General Manager  
PRC Reg. No. 53000



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## MICROBIOLOGICAL TEST RESULTS for DRINKING WATER

DOH Water Laboratory Accreditation No. 04A-0006-2022-LW-2

NAME OF CLIENT: CARMONA WATER DISTRICT

RLA No.: ML 004764

Date : March 20, 2020

SAMPLE DESCRIPTION: Raw Water (Milagros Camero)

Submitted By: Carmona Water District

Date Received: March 11, 2020

Date of Sampling: March 11, 2020

Time of Sampling: 10:07 AM

Place of Sampling: Brgy Lantic, Carmona, Cavite

Source of Sampling: Water District

CCWD01G

Test Requested	Methodology	No. of Positive Tubes (out of five tubes)	Results	Standards
Total Coliform	Multiple Tube Fermentation	0	less than 1.1	less than 1.1
Thermotolerant Coliform (E.Coli)	Multiple Tube Fermentation	0	less than 1.1	less than 1.1

Test Requested	Description	Methodology	Results	Standards
Heterotrophic Plate Count	Total Microbial Load	Pour Plate Method	65	less than 500

*Note: The methodology used for coliform detection is the Multiple Tube Fermentation Technique as required by the Department of Health. The Heterotrophic Plate Count or the Total Microbial Load is being determined using the Pour Plate Method. The HPC is required in determining water potability (PNSDW 2017)*

### REMARKS:

The results showed that the water sample submitted **PASSED** the DOH standard for drinking water. Results are those obtained at time of examination and relate only to the sample/s tested.

### REFERENCES:

Philippine National Standards for Drinking Water, 2017, Department of Health  
Standard Methods for the Examination of Drinking Water and Wastewater  
20th Edition, APHA, Washington, DC, 2005

Certified by :

Maricel S. Palogan, RMT  
Laboratory Microbiologist  
PRC Reg. No. 39410  
WMLA-19-1008

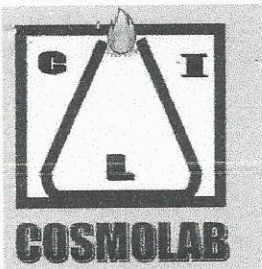
Approved by:

Engr. Carlos B. Castromayor  
Laboratory Manager  
PRC Reg. No 18428

Noted by:

Engr. Ali M. Villamor  
General Manager  
PRC Reg. No. 53000





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## MICROBIOLOGICAL TEST RESULTS for DRINKING WATER

DOH Water Laboratory Accreditation No. 04A-0006-2022-LW-2

NAME OF CLIENT: CARMONA WATER DISTRICT

RLA No.: ML 004764

Date : March 20, 2020

SAMPLE DESCRIPTION: Raw Water (Concepcion Castro)  
Submitted By: Carmona Water District  
Date Received: March 11, 2020  
Date of Sampling: March 11, 2020  
Time of Sampling: 9:38 AM  
Place of Sampling: 822 Rosario Street, Carmona, Cavite  
Source of Sampling: Water District  
CCWD016

Test Requested	Methodology	No. of Positive Tubes (out of five tubes)	Results MPN/100 ml	Standards MPN/100 ml
Total Coliform	Multiple Tube Fermentation	0	less than 1.1	less than 1.1
Thermotolerant Coliform (E.Coli)	Multiple Tube Fermentation	0	less than 1.1	less than 1.1

Test Requested	Description	Methodology	Results CFU/ml	Standards CFU/ ml
Heterotrophic Plate Count	Total Microbial Load	Pour Plate Method	121	less than 500

Note: The methodology used for coliform detection is the Multiple Tube Fermentation Technique as required by the Department of Health. The Heterotrophic Plate Count or the Total Microbial Load is being determined using the Pour Plate Method. The HPC is required in determining water potability (PNSDW 2017)

### REMARKS:

The results showed that the water sample submitted **PASSED** the DOH standard for drinking water. Results are those obtained at time of examination and relate only to the sample/s tested.

### REFERENCES:

Philippine National Standards for Drinking Water, 2017, Department of Health  
Standard Methods for the Examination of Drinking Water and Wastewater  
20th Edition, APHA, Washington, DC, 2005

Certified by :

Maricel S. Palogan, RMT  
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WMLA-19-1008

Approved by:

Engr. Carlos B. Castromayor  
Laboratory Manager  
PRC Reg. No 18428

Noted by:

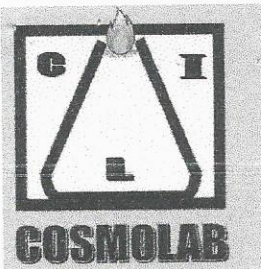
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## MICROBIOLOGICAL TEST RESULTS for DRINKING WATER

DOH Water Laboratory Accreditation No. 04A-0006-2022-LW-2

NAME OF CLIENT: CARMONA WATER DISTRICT

RLA No.: ML 004764

Date : March 20, 2020

**SAMPLE DESCRIPTION:** Raw Water (Angelita Lontoc)  
**Submitted By:** Carmona Water District  
**Date Received:** March 11, 2020  
**Date of Sampling:** March 11, 2020  
**Time of Sampling:** 8:52 AM  
**Place of Sampling:** Block 20 Lot 10 Phase 3 Molave, Carmona, Cavite  
**Source of Sampling:** Water District  
CCWD01G

Test Requested	Methodology	No. of Positive Tubes (out of five tubes)	Results	Standards
			MPN/100 ml	MPN/100 ml
Total Coliform	Multiple Tube Fermentation	0	less than 1.1	less than 1.1
Thermotolerant Coliform (E.Coli)	Multiple Tube Fermentation	0	less than 1.1	less than 1.1

Test Requested	Description	Methodology	Results	Standards
			CFU/ml	CFU/ ml
Heterotrophic Plate Count	Total Microbial Load	Pour Plate Method	128	less than 500

*Note: The methodology used for coliform detection is the Multiple Tube Fermentation Technique as required by the Department of Health. The Heterotrophic Plate Count or the Total Microbial Load is being determined using the Pour Plate Method. The HPC is required in determining water potability (PNSDW 2017)*

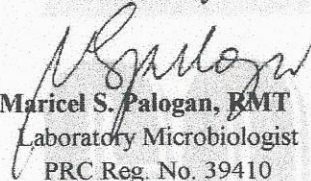
### REMARKS:

The results showed that the water sample submitted **PASSED** the DOH standard for drinking water. Results are those obtained at time of examination and relate only to the sample/s tested.

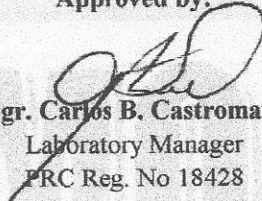
### REFERENCES:

Philippine National Standards for Drinking Water, 2017, Department of Health  
Standard Methods for the Examination of Drinking Water and Wastewater  
20th Edition, APHA, Washington, DC, 2005

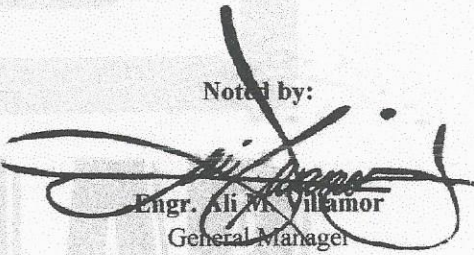
Certified by :

  
Maricel S. Palogan, RMT  
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PRC Reg. No. 39410  
WMLA-19-1008

Approved by:

  
Engr. Carlos B. Castromayor  
Laboratory Manager  
PRC Reg. No 18428

Noted by:

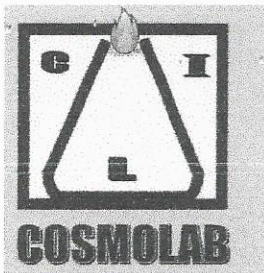
  
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## MICROBIOLOGICAL TEST RESULTS for DRINKING WATER

DOH Water Laboratory Accreditation No. 04A-0006-2022-LW-2

NAME OF CLIENT: CARMONA WATER DISTRICT

RLA No.: ML 004764

Date : March 20, 2020

SAMPLE DESCRIPTION: Raw Water (Edmar Delos Santos)  
Submitted By: Carmona Water District  
Date Received: March 11, 2020  
Date of Sampling: March 11, 2020  
Time of Sampling: 9:53 AM  
Place of Sampling: Altarez Village Brgy. Maduya, Carmona, Cavite  
Source of Sampling: Water District  
CCWD01G

Test Requested	Methodology	No. of Positive Tubes (out of five tubes)	Results	Standards
Total Coliform	Multiple Tube Fermentation	0	less than 1.1	less than 1.1
Thermotolerant Coliform (E.Coli)	Multiple Tube Fermentation	0	less than 1.1	less than 1.1

Test Requested	Description	Methodology	Results	Standards
Heterotrophic Plate Count	Total Microbial Load	Pour Plate Method	145	less than 500

Note: The methodology used for coliform detection is the Multiple Tube Fermentation Technique as required by the Department of Health. The Heterotrophic Plate Count or the Total Microbial Load is being determined using the Pour Plate Method. The HPC is required in determining water potability (PNSDW 2017)

### REMARKS:

The results showed that the water sample submitted PASSED the DOH standard for drinking water.

Results are those obtained at time of examination and relate only to the sample/s tested.

### REFERENCES:

Philippine National Standards for Drinking Water, 2017, Department of Health  
Standard Methods for the Examination of Drinking Water and Wastewater  
20th Edition, APHA, Washington, DC, 2005

Certified by :

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WMLA-19-1008

Approved by:

Engr. Carlos B. Castromayor  
Laboratory Manager  
PRC Reg. No 18428

Noted by:

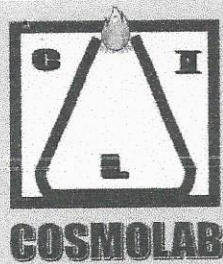
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## MICROBIOLOGICAL TEST RESULTS for DRINKING WATER DOH Water Laboratory Accreditation No. 04A-0006-2022-LW-2

NAME OF CLIENT: CARMONA WATER DISTRICT

RLA No.: ML 004764

Date : March 20, 2020

**SAMPLE DESCRIPTION:** Raw Water (Logahit Annacorte)  
**Submitted By:** Carmona Water District  
**Date Received:** March 11, 2020  
**Date of Sampling:** March 11, 2020  
**Time of Sampling:** 8:35 AM  
**Place of Sampling:** Block 3 Lot 6 Cityland, Carmona, Cavite  
**Source of Sampling:** Water District  
CCWD01G

Test Requested	Methodology	No. of Positive Tubes (out of five tubes)	Results	Standards
Total Coliform	Multiple Tube Fermentation	0	less than 1.1	less than 1.1
Thermotolerant Coliform (E.Coli)	Multiple Tube Fermentation	0	less than 1.1	less than 1.1

Test Requested	Description	Methodology	Results	Standards
Heterotrophic Plate Count	Total Microbial Load	Pour Plate Method	72	less than 500

*Note: The methodology used for coliform detection is the Multiple Tube Fermentation Technique as required by the Department of Health. The Heterotrophic Plate Count or the Total Microbial Load is being determined using the Pour Plate Method. The HPC is required in determining water potability (PNSDW 2017)*

### REMARKS:

The results showed that the water sample submitted **PASSED** the DOH standard for drinking water. Results are those obtained at time of examination and relate only to the sample/s tested.

### REFERENCES:

Philippine National Standards for Drinking Water, 2017, Department of Health  
Standard Methods for the Examination of Drinking Water and Wastewater  
20th Edition, APHA, Washington, DC, 2005

Certified by:

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WMLA-19-1008

Approved by:

*Engr. Carlos B. Castromayor*  
Engr. Carlos B. Castromayor  
Laboratory Manager  
PRC Reg. No 18428

Noted by:

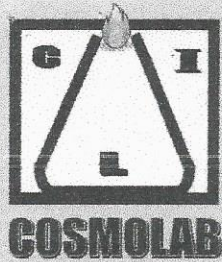
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Engr. An M. Villamor  
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## MICROBIOLOGICAL TEST RESULTS for DRINKING WATER

DOH Water Laboratory Accreditation No. 04A-0006-2022-LW-2

NAME OF CLIENT: CARMONA WATER DISTRICT

RLA No.: ML 004764

Date : March 20, 2020

**SAMPLE DESCRIPTION:** Raw Water (Erwin Basag)  
**Submitted By:** Carmona Water District  
**Date Received:** March 11, 2020  
**Date of Sampling:** March 11, 2020  
**Time of Sampling:** 8:42 AM  
**Place of Sampling:** Block 8 Lot 15 Phase 4 Milagrosa, Carmona, Cavite  
**Source of Sampling:** Water District  
CCWD019

Test Requested	Methodology	No. of Positive Tubes (out of five tubes)	Results MPN/100 ml	Standards MPN/100 ml
Total Coliform	Multiple Tube Fermentation	0	less than 1.1	less than 1.1
Thermotolerant Coliform (E.Coli)	Multiple Tube Fermentation	0	less than 1.1	less than 1.1

Test Requested	Description	Methodology	Results CFU/ml	Standards CFU/ ml
Heterotrophic Plate Count	Total Microbial Load	Pour Plate Method	115	less than 500

*Note: The methodology used for coliform detection is the Multiple Tube Fermentation Technique as required by the Department of Health. The Heterotrophic Plate Count or the Total Microbial Load is being determined using the Pour Plate Method. The HPC is required in determining water potability (PNSDW 2017)*

### REMARKS:

*The results showed that the water sample submitted **PASSED** the DOH standard for drinking water. Results are those obtained at time of examination and relate only to the sample/s tested.*

### REFERENCES:

Philippine National Standards for Drinking Water, 2017, Department of Health  
Standard Methods for the Examination of Drinking Water and Wastewater  
20th Edition, APHA, Washington, DC, 2005

Certified by :

Maricel S. Palogan, RMT  
Laboratory Microbiologist  
PRC Reg. No. 39410  
WMLA-19-1008

Approved by:

Engr. Carlos B. Castromayor  
Laboratory Manager  
PRC Reg. No. 18428

Noted by:

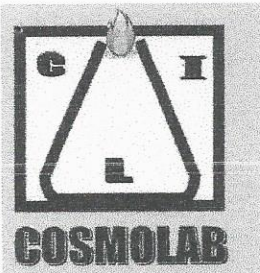
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## MICROBIOLOGICAL TEST RESULTS for DRINKING WATER

DOH Water Laboratory Accreditation No. 04A-0006-2022-LW-2

NAME OF CLIENT: CARMONA WATER DISTRICT

RLA No.: ML 004764

Date : March 20, 2020

SAMPLE DESCRIPTION: Raw Water (Restituto San Pascual)

Submitted By: Carmona Water District

Date Received: March 11, 2020

Date of Sampling: March 11, 2020

Time of Sampling: 9:47 AM

Place of Sampling: St. Bahedlot, Carmona, Cavite

Source of Sampling: Water District

CCWID19

Test Requested	Methodology	No. of Positive Tubes (out of five tubes)	Results	Standards
			MPN/100 ml	MPN/100 ml
Total Coliform	Multiple Tube Fermentation	0	less than 1.1	less than 1.1
Thermotolerant Coliform (E.Coli)	Multiple Tube Fermentation	0	less than 1.1	less than 1.1

Test Requested	Description	Methodology	Results	Standards
			CFU/ml	CFU/ ml
Heterotrophic Plate Count	Total Microbial Load	Pour Plate Method	74	less than 500

Note: The methodology used for coliform detection is the Multiple Tube Fermentation Technique as required by the Department of Health. The Heterotrophic Plate Count or the Total Microbial Load is being determined using the Pour Plate Method. The HPC is required in determining water potability (PNSDW 2017)

### REMARKS:

The results showed that the water sample submitted PASSED the DOH standard for drinking water.

Results are those obtained at time of examination and relate only to the sample/s tested.

### REFERENCES:

Philippine National Standards for Drinking Water, 2017, Department of Health

Standard Methods for the Examination of Drinking Water and Wastewater

20th Edition, APHA, Washington, DC, 2005

Certified by :

Maricel S. Palogan, RMT  
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PRC Reg. No. 39410  
WMLA-19-1008

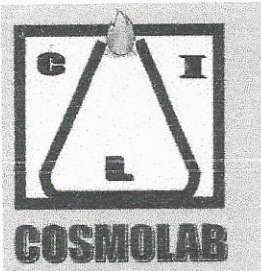
Approved by:

Engr. Carlos B. Castromayor  
Laboratory Manager  
PRC Reg. No. 18428

Noted by:

Engr. Ali M. Villamor  
General Manager  
PRC Reg. No. 53000





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## MICROBIOLOGICAL TEST RESULTS for DRINKING WATER

DOH Water Laboratory Accreditation No. 04A-0006-2022-LW-2

NAME OF CLIENT: CARMONA WATER DISTRICT

RLA No.: ML 004764

Date : March 20, 2020

**SAMPLE DESCRIPTION:** Raw Water (Susan Cortez)  
**Submitted By:** Carmona Water District  
**Date Received:** March 11, 2020  
**Date of Sampling:** March 11, 2020  
**Time of Sampling:** 9:14 AM  
**Place of Sampling:** Block7 Phase 3 Milagrosa, Carmona, Cavite  
**Source of Sampling:** Water District  
CCWDDIG

Test Requested	Methodology	No. of Positive Tubes (out of five tubes)	Results MPN/100 ml	Standards MPN/100 ml
Total Coliform	Multiple Tube Fermentation	0	less than 1.1	less than 1.1
Thermotolerant Coliform (E.Coli)	Multiple Tube Fermentation	0	less than 1.1	less than 1.1

Test Requested	Description	Methodology	Results CFU/ml	Standards CFU/ ml
Heterotrophic Plate Count	Total Microbial Load	Pour Plate Method	67	less than 500

*Note: The methodology used for coliform detection is the Multiple Tube Fermentation Technique as required by the Department of Health. The Heterotrophic Plate Count or the Total Microbial Load is being determined using the Pour Plate Method. The HPC is required in determining water potability (PNSDW 2017)*

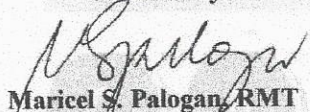
### REMARKS:

*The results showed that the water sample submitted **PASSED** the DOH standard for drinking water. Results are those obtained at time of examination and relate only to the sample/s tested.*

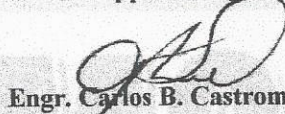
### REFERENCES:

Philippine National Standards for Drinking Water, 2017, Department of Health  
Standard Methods for the Examination of Drinking Water and Wastewater  
20th Edition, APHA, Washington, DC, 2005

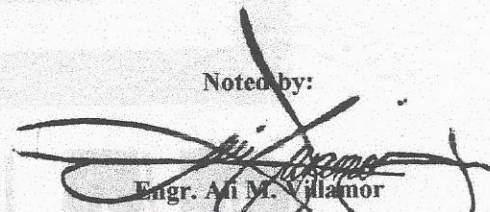
Certified by :

  
Maricel S. Palogan, RMT  
Laboratory Microbiologist  
PRC Reg. No. 39410  
WMLA-19-1008

Approved by:

  
Engr. Carlos B. Castromayor  
Laboratory Manager  
PRC Reg. No 18428

Noted by:

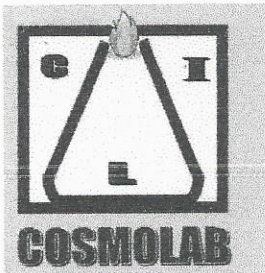
  
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## MICROBIOLOGICAL TEST RESULTS for DRINKING WATER

DOH Water Laboratory Accreditation No. 04A-0006-2022-LW-2

NAME OF CLIENT: CARMONA WATER DISTRICT

RLA No.: ML 004764

Date : March 20, 2020

SAMPLE DESCRIPTION: Raw Water (Emerencia Soriano)

Submitted By: Carmona Water District

Date Received: March 11, 2020

Date of Sampling: March 11, 2020

Time of Sampling: 8:46 AM

Place of Sampling: 1134 San Pablo Street, Carmona, Cavite

Source of Sampling: Water District

CCWD016

Test Requested	Methodology	No. of Positive Tubes (out of five tubes)	Results	Standards
Total Coliform	Multiple Tube Fermentation	0	less than 1.1	less than 1.1
Thermotolerant Coliform (E.Coli)	Multiple Tube Fermentation	0	less than 1.1	less than 1.1

Test Requested	Description	Methodology	Results	Standards
Heterotrophic Plate Count	Total Microbial Load	Pour Plate Method	84	less than 500

*Note: The methodology used for coliform detection is the Multiple Tube Fermentation Technique as required by the Department of Health. The Heterotrophic Plate Count or the Total Microbial Load is being determined using the Pour Plate Method. The HPC is required in determining water potability (PNSDW 2017)*

### REMARKS:

*The results showed that the water sample submitted PASSED the DOH standard for drinking water.*

*Results are those obtained at time of examination and relate only to the sample/s tested.*

### REFERENCES:

Philippine National Standards for Drinking Water, 2017, Department of Health  
Standard Methods for the Examination of Drinking Water and Wastewater  
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Laboratory Manager  
PRC Reg. No 18428

Noted by:

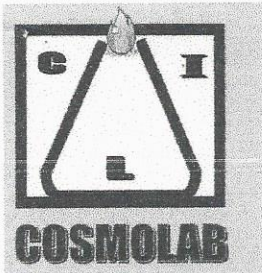
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## MICROBIOLOGICAL TEST RESULTS for DRINKING WATER

DOH Water Laboratory Accreditation No. 04A-0006-2022-LW-2

NAME OF CLIENT: CARMONA WATER DISTRICT

RLA No.: ML 004764

Date : March 20, 2020

SAMPLE DESCRIPTION: Raw Water (Hernandez Evelyn)

Submitted By: Carmona Water District

Date Received: March 11, 2020

Date of Sampling: March 11, 2020

Time of Sampling: 10:10 AM

Place of Sampling: 4621 Maduya, Carmona, Cavite

Source of Sampling: Water District

CCWD01G

Test Requested	Methodology	No. of Positive Tubes (out of five tubes)	Results	Standards
Total Coliform	Multiple Tube Fermentation	0	less than 1.1	less than 1.1
Thermotolerant Coliform (E.Coli)	Multiple Tube Fermentation	0	less than 1.1	less than 1.1

Test Requested	Description	Methodology	Results	Standards
Heterotrophic Plate Count	Total Microbial Load	Pour Plate Method	65	less than 500

*Note: The methodology used for coliform detection is the Multiple Tube Fermentation Technique as required by the Department of Health. The Heterotrophic Plate Count or the Total Microbial Load is being determined using the Pour Plate Method. The HPC is required in determining water potability (PNSDW 2017)*

### REMARKS:

*The results showed that the water sample submitted **PASSED** the DOH standard for drinking water. Results are those obtained at time of examination and relate only to the sample/s tested.*

### REFERENCES:

Philippine National Standards for Drinking Water, 2017, Department of Health  
Standard Methods for the Examination of Drinking Water and Wastewater  
20th Edition, APHA, Washington, DC, 2005

Certified by :

Maricel S. Palogan, RMT  
Laboratory Microbiologist  
PRC Reg. No. 39410  
WMLA-19-1008

Approved by:

Engr. Carlos B. Castromayor  
Laboratory Manager  
PRC Reg. No. 18428

Noted by:

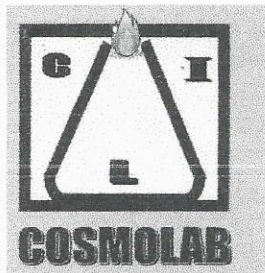
Engr. Ah M. Vilamor  
General Manager  
PRC Reg. No. 53000



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"Caring for the Environment through Quality Testing"

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## MICROBIOLOGICAL TEST RESULTS for DRINKING WATER

DOH Water Laboratory Accreditation No. 04A-0006-2022-LW-2

NAME OF CLIENT: CARMONA WATER DISTRICT

RLA No.: ML 004764

Date : March 20, 2020

SAMPLE DESCRIPTION: Raw Water (Ofelia Salosa)  
Submitted By: Carmona Water District  
Date Received: March 11, 2020  
Date of Sampling: March 11, 2020  
Time of Sampling: 9:29 AM  
Place of Sampling: 527 J.M Loyola Street, Carmona, Cavite  
Source of Sampling: Water District  
CCWD01G

Test Requested	Methodology	No. of Positive Tubes (out of five tubes)	Results MPN/100 ml	Standards MPN/100 ml
Total Coliform	Multiple Tube Fermentation	0	less than 1.1	less than 1.1
Thermotolerant Coliform (E.Coli)	Multiple Tube Fermentation	0	less than 1.1	less than 1.1

Test Requested	Description	Methodology	Results CFU/ml	Standards CFU/ ml
Heterotrophic Plate Count	Total Microbial Load	Pour Plate Method	74	less than 500

Note: The methodology used for coliform detection is the Multiple Tube Fermentation Technique as required by the Department of Health. The Heterotrophic Plate Count or the Total Microbial Load is being determined using the Pour Plate Method. The HPC is required in determining water potability (PNSDW 2017)

### REMARKS:

The results showed that the water sample submitted **PASSED** the DOH standard for drinking water. Results are those obtained at time of examination and relate only to the sample/s tested.

### REFERENCES:

Philippine National Standards for Drinking Water, 2017, Department of Health  
Standard Methods for the Examination of Drinking Water and Wastewater  
20th Edition, APHA, Washington, DC, 2005

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