



COSMOLAB LABORATORIES, INC.

"Caring for the Environment through Quality Testing"



MICROBIOLOGICAL TEST RESULTS for DRINKING WATER

DOH Water Laboratory Accreditation No. 04A-006-17-LW-2

NAME OF CLIENT: CARMONA WATER DISTRICT

RLA No.: ML 38685

Date: July 25, 2018

SAMPLE DESCRIPTION: Raw Water
Submitted By: Carmona Water District
Date Received: July 17, 2018
Date of Sampling: July 17, 2018
Time of Sampling: 9:45 AM
Place of Sampling: CWD D-Line San Pablo St., Brgy. 1, Carmona, Cavite
Source of Sampling: Water District

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

Maricris C. Manito, RMT
Laboratory Microbiologist
PRC Reg. No. 69666
WMLA-18-0703

Approved by:

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

Noted by:

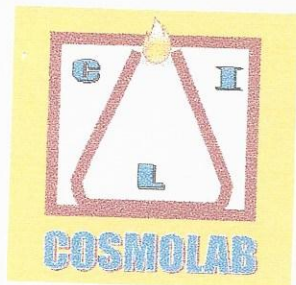
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NAME OF CLIENT: CARMONA WATER DISTRICT

RLA No.: ML 38685

Date : July 25, 2018

SAMPLE DESCRIPTION: Raw Water
Submitted By: Carmona Water District
Date Received: July 17, 2018
Date of Sampling: July 17, 2018
Time of Sampling: 9:04 AM
Place of Sampling: CWD D-Line Brgy., Lantic, Carmona, Cavite
Source of Sampling: Water District

| 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 | 100 | 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.

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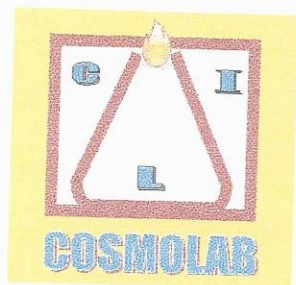
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DOH Water Laboratory Accreditation No. 04A-006-17-LW-2

NAME OF CLIENT: CARMONA WATER DISTRICT

RLA No.: ML 38685

Date : July 25, 2018

SAMPLE DESCRIPTION: Raw Water
Submitted By: Carmona Water District
Date Received: July 17, 2018
Date of Sampling: July 17, 2018
Time of Sampling: 9:13 AM
Place of Sampling: Lantic Elementary School, Carmona, Cavite
Source of Sampling: Water District

| 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 | 300 | 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:

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DOH Water Laboratory Accreditation No. 04A-006-17-LW-2

NAME OF CLIENT: CARMONA WATER DISTRICT

RLA No.: ML 38685

Date : July 25, 2018

SAMPLE DESCRIPTION: Raw Water
Submitted By: Carmona Water District
Date Received: July 17, 2018
Date of Sampling: July 17, 2018
Time of Sampling: 10:14 AM
Place of Sampling: CWD D-Line Rosario St., Brgy., 8, Carmona, Cavite
Source of Sampling: Water District

| Test Requested | Methodology | No. of Positive Tubes (out of five tubes) | Results | Standards |
|--------------------------------------|----------------------------|--|-----------------------------|-----------------------------|
| Total Coliform | Multiple Tube Fermentation | 0 | MPN/100 ml less than 1.1 | MPN/100 ml 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 | CFU/ml 200 | CFU/ ml 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:

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NAME OF CLIENT: CARMONA WATER DISTRICT

RLA No.: ML 38685

Date : July 25, 2018

SAMPLE DESCRIPTION: Raw Water

Submitted By: Carmona Water District

Date Received: July 17, 2018

Date of Sampling: July 17, 2018

Time of Sampling: 9:35 AM

Place of Sampling: CWD D-Line Mabuhay Elementary School, Carmona, Cavite

Source of Sampling: Water District

| 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 | CFU/ml 400 | CFU/ ml 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:

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MICROBIOLOGICAL TEST RESULTS for DRINKING WATER

DOH Water Laboratory Accreditation No. 04A-006-17-LW-2

NAME OF CLIENT: CARMONA WATER DISTRICT

RLA No.: ML 38685

Date: July 25, 2018

SAMPLE DESCRIPTION: Raw Water

Submitted By: Carmona Water District

Date Received: July 17, 2018

Date of Sampling: July 17, 2018

Time of Sampling: 1:27 PM

Place of Sampling: CWD D-Line, JM Loyola St., Brgy., 4, Carmona, Cavite

Source of Sampling: Water District

| 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 | 300 | 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:

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DOH Water Laboratory Accreditation No. 04A-006-17-LW-2

NAME OF CLIENT: CARMONA WATER DISTRICT

RLA No.: ML 38685

Date : July 25, 2018

SAMPLE DESCRIPTION: Raw Water

Submitted By: Carmona Water District

Date Received: July 17, 2018

Date of Sampling: July 17, 2018

Time of Sampling: 2:13 PM

Place of Sampling: CWD D-Line Bancal Elementary School, Carmona, Cavite

Source of Sampling: Water District

| 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 | 200 | 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:

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DOH Water Laboratory Accreditation No. 04A-006-17-LW-2

NAME OF CLIENT: CARMONA WATER DISTRICT

RLA No.: ML 38685

Date : July 25, 2018

SAMPLE DESCRIPTION: Raw Water
Submitted By: Carmona Water District
Date Received: July 17, 2018
Date of Sampling: July 17, 2018
Time of Sampling: 10:26 AM
Place of Sampling: Carmona Elementary School, Carmona, Cavite
Source of Sampling: Water District

| 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 | 400 | 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:

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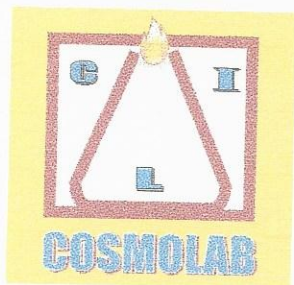
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DOH Water Laboratory Accreditation No. 04A-006-17-LW-2

NAME OF CLIENT: CARMONA WATER DISTRICT

RLA No.: ML 38685

Date : July 25, 2018

SAMPLE DESCRIPTION: Raw Water
Submitted By: Carmona Water District
Date Received: July 17, 2018
Date of Sampling: July 17, 2018
Time of Sampling: 10:09 AM
Place of Sampling: CWD D-Line Maduya Elementary School, Carmona, Cavite
Source of Sampling: Water District

| 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 | CFU/ml 420 | CFU/ ml 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.

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DOH Water Laboratory Accreditation No. 04A-006-17-LW-2

NAME OF CLIENT: CARMONA WATER DISTRICT

RLA No.: ML 38685

Date : July 25, 2018

SAMPLE DESCRIPTION: Raw Water
Submitted By: Carmona Water District
Date Received: July 17, 2018
Date of Sampling: July 17, 2018
Time of Sampling: 2:00 PM
Place of Sampling: CWD D-Line Southcoast, Bancal, Carmona, Cavite
Source of Sampling: Water District

| 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 | 100 | 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.

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RLA No.: ML 38685

Date : July 25, 2018

SAMPLE DESCRIPTION: Raw Water
Submitted By: Carmona Water District
Date Received: July 17, 2018
Date of Sampling: July 17, 2018
Time of Sampling: 9:57 AM
Place of Sampling: CWD D-Line Altarez St, Brgy., Maduya, Carmona, Cavite
Source of Sampling: Water District

| 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 | 100 | 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 :

Maricris C. Manito, RMT
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WMLA-18-0703

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COSMOLAB LABORATORIES, INC.

"Caring for the Environment through Quality Testing"



MICROBIOLOGICAL TEST RESULTS for DRINKING WATER

DOH Water Laboratory Accreditation No. 04A-006-17-LW-2

NAME OF CLIENT: CARMONA WATER DISTRICT

RLA No.: ML 38685

Date : July 25, 2018

SAMPLE DESCRIPTION: Raw Water
Submitted By: Carmona Water District
Date Received: July 17, 2018
Date of Sampling: July 17, 2018
Time of Sampling: 1:38 PM
Place of Sampling: CWD D-Line Cabilang Baybay Elementary School, Carmona, Cavite
Source of Sampling: Water District

| 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 | 200 | 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:

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MICROBIOLOGICAL TEST RESULTS for DRINKING WATER

DOH Water Laboratory Accreditation No. 04A-006-17-LW-2

NAME OF CLIENT: CARMONA WATER DISTRICT

RLA No.: ML 38685

Date : July 25, 2018

SAMPLE DESCRIPTION: Raw Water
Submitted By: Carmona Water District
Date Received: July 17, 2018
Date of Sampling: July 17, 2018
Time of Sampling: 1:05 PM
Place of Sampling: CWD D-Line Mapalad St., Mabuhay, Carmona, Cavite
Source of Sampling: Water District

| 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 | 200 | 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:

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MICROBIOLOGICAL TEST RESULTS for DRINKING WATER

DOH Water Laboratory Accreditation No. 04A-006-17-LW-2

NAME OF CLIENT: CARMONA WATER DISTRICT

RLA No.: ML 38685

Date : July 25, 2018

SAMPLE DESCRIPTION: Raw Water
Submitted By: Carmona Water District
Date Received: July 17, 2018
Date of Sampling: July 17, 2018
Time of Sampling: 9:25 AM
Place of Sampling: D-Line, Milagrosa Elementary School, Carmona, Cavite
Source of Sampling: Water District

| 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 | 300 | 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:

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MICROBIOLOGICAL TEST RESULTS for DRINKING WATER

DOH Water Laboratory Accreditation No. 04A-006-17-LW-2

NAME OF CLIENT: CARMONA WATER DISTRICT

RLA No.: ML 38685

Date : July 25, 2018

SAMPLE DESCRIPTION: Raw Water
Submitted By: Carmona Water District
Date Received: July 17, 2018
Date of Sampling: July 17, 2018
Time of Sampling: 8:50 AM
Place of Sampling: CWD D-Line, Milagrosa West, Carmona, Cavite
Source of Sampling: Water District

| 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 | 200 | 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.

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