

# *Environmental Testing Consultants, LLC*

413 N. Black Horse Pike  
Runnemede, New Jersey 08078

Phone: 856-482-1311  
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## **LEAD AND COPPER IN WATER TESTING**

**MI CASITA DAYCARE CENTER  
2601 CARMAN STREET  
CAMDEN, NEW JERSEY**

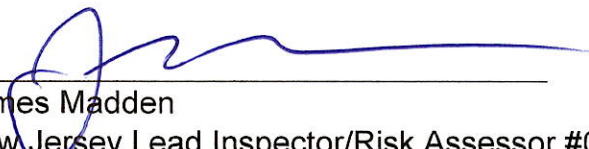
*Submitted to:*

**MiCasita Daycare Center  
2601 Carman Street  
Camden, New Jersey**

*Submitted by:*

**Environmental Testing Consultants, LLC  
413 N. Black Horse Pike  
Runnemede, New Jersey 08078**

**856-482-1311**

  
James Madden  
New Jersey Lead Inspector/Risk Assessor #011653  
June 30, 2022

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## EXECUTIVE SUMMARY

Environmental Testing Consultants, LLC (ETC) was contracted to perform lead and copper in water sampling at the MiCasita Daycare Center, 2601 Carman Street, Camden, New Jersey.

The lead and Copper in water testing was done according to the EPA Lead and Copper Rule (LCR).

On site, the inspection consisted of:

1. Water Sampling

Testing was completed by New Jersey Certified Lead Inspector/Risk Assessor James Madden (#011653) on June 14, 2022.

The Sink located in Kitchen Wash Hand was above permissible limits of 15 ppb..

It is recommended this sink not be used and a plumber be consulted to install a filtration system on the sink. Once this is completed, then water sampling shall be performed as follows:

Every 6 months at 1 site, if 2 consecutive samples pass, then the monitoring can be moved to annually.

Please read and make sure to follow the public education of lead-in-water failure in Appendix A and send out appropriate informational pamphlets within 60 days.

It is understood that all findings represent conditions at the time of testing. This report should be kept on file for the life of the Childcare center.

ETC will be available to answer any questions you may have concerning this report.

## METHODOLOGIES

### A. LEAD AND COPPER WATER SAMPLING

Sample bottles supplied by EMSL Analytical, Inc. were used to collect first draw. After sampling was completed, the lid was fastened and the bottle labeled. EMSL Analytical, Inc. (AIHA: 100194) performed the analysis using Lead and Copper in Water by ICP-MS (EPA 200.8).

## **QUALITY CONTROL**

Water sampling was conducted by New Jersey Certified Lead Inspectors/Risk Assessors in accordance with the EPA Lead and Copper Rule (LCR).

## RESULTS

### A. LEAD IN WATER SAMPLES

The EPA has established the lead concentration action level for drinking water as 15 ppb (parts per billion) = 0.015 mg/L (milligrams per liter).

One (1) sample was above the action level.

**June 14, 2022**

Sample #	Location	Results ppb
14-0614-06	Kitchen Hand Wash	38.1
14-0614-07	Kitchen Triple Sink	ND
14-0614-08	Room 2 Sink	ND
14-0614-09	Room 3 Sink	ND
14-0614-10	Room 5 Restroom Sink	ND

### B. COPPER IN WATER SAMPLES

The EPA has established the copper concentration action level for drinking water as 1300 ppb (parts per billion).

Zero (0) samples were above the action level.

**June 14, 2022**

Sample #	Location	Results ppb
14-0614-06	Kitchen Hand Wash	8.4
14-0614-07	Kitchen Triple Sink	85
14-0614-08	Room 2 Sink	27
14-0614-09	Room 3 Sink	26
14-0614-10	Room 5 Restroom Sink	47

# **LEAD & COPPER IN WATER RESULTS**





# EMSL Analytical, Inc.

200 Route 130 North, Cinnaminson, NJ 08077  
 Phone/Fax: (856) 303-2500 / (856) 858-4571  
<http://www.EMSL.com> [EnvChemistry2@emsl.com](mailto:EnvChemistry2@emsl.com)

EMSL Order: 012209544  
 CustomerID: ETCO77  
 CustomerPO:  
 ProjectID:

Attn: **Howard Zenobi**  
**Environmental Testing Consultants**  
**413 N Black Horse Pike**  
**Suite 1**  
**Runnemede, NJ 08078**

Phone: (856) 482-1311  
 Fax: (856) 482-5989  
 Received: 6/14/2022 09:00 AM

Project: **Micasita Daycare Center 2601 Carman St. Camden, NJ**

## Analytical Results

**Client Sample Description** 14-0614-06 Kitchen Hand Wash **Collected:** 6/14/2022 6:13:00 AM **Lab ID:** 012209544-0001

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
<b>METALS</b>					
200.8	Copper	8.4	5.0 µg/L	6/21/2022 JW	6/21/2022 JW 13:22
200.8	Lead	38.1	1.00 µg/L	6/21/2022 JW	6/21/2022 JW 13:22

**Client Sample Description** 14-0614-07 Kitchen Triple Sink **Collected:** 6/14/2022 6:14:00 AM **Lab ID:** 012209544-0002

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
<b>METALS</b>					
200.8	Copper	85	5.0 µg/L	6/21/2022 JW	6/21/2022 JW 13:24
200.8	Lead	ND	1.00 µg/L	6/21/2022 JW	6/21/2022 JW 13:24

**Client Sample Description** 14-0614-08 Room 2 Sink **Collected:** 6/14/2022 6:16:00 AM **Lab ID:** 012209544-0003

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
<b>METALS</b>					
200.8	Copper	27	5.0 µg/L	6/21/2022 JW	6/21/2022 JW 13:27
200.8	Lead	ND	1.00 µg/L	6/21/2022 JW	6/21/2022 JW 13:27

**Client Sample Description** 14-0614-09 Room 3 Sink **Collected:** 6/14/2022 6:18:00 AM **Lab ID:** 012209544-0004

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
<b>METALS</b>					
200.8	Copper	26	5.0 µg/L	6/21/2022 JW	6/21/2022 JW 13:29
200.8	Lead	ND	1.00 µg/L	6/21/2022 JW	6/21/2022 JW 13:29



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Phone: (856) 482-1311  
 Fax: (856) 482-5989  
 Received: 6/14/2022 09:00 AM

Project: **Micasita Daycare Center 2601 Carman St. Camden, NJ**

**Analytical Results**

**Client Sample Description** 14-0614-10 **Collected:** 6/14/2022 **Lab ID:** 012209544-0005  
 Room 5 Restroom Sink 6:20:00 AM

<b>Method</b>	<b>Parameter</b>	<b>Result</b>	<b>RL Units</b>	<b>Prep Date &amp; Analyst</b>		<b>Analysis Date &amp; Analyst</b>	
<b>METALS</b>							
200.8	Copper	47	5.0 µg/L	6/21/2022	JW	6/21/2022	JW
200.8	Lead	ND	1.00 µg/L	6/21/2022	JW	6/21/2022	JW

**Definitions:**

- MDL - method detection limit
- J - Result was below the reporting limit, but at or above the MDL
- ND - indicates that the analyte was not detected at the reporting limit
- RL - Reporting Limit (Analytical)
- D - Dilution Sample required a dilution which was used to calculate final results









EMSL ANALYTICAL, INC.

# Environmental Chemistry Chain of Custody

EMSL Order Number / Lab Use Only

012209544

EMSL Analytical, Inc.  
200 Rt. 130 N  
Cinnaminson, NJ 08077

PHONE: (800) 220-3675  
EMAIL: EnvChemistry2@EMSL.com

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information  
Special Instructions and/or Regulatory Requirements (Sample Specifications, Processing Methods, Limits of Detection, etc.)

Client Sample ID	Comp	Grab	Date / Time Collected	Matrix	Preservative	List Test(s) Needed (Write in test below, then check on sample line:)								Comments			
						Test 1:	Test 2:	Test 3:	Test 4:	Test 5:	Test 6:	Test 7:	Test 8:				
14-0614-10	<input type="checkbox"/>	<input checked="" type="checkbox"/>	06/14/2012	W	1 HCL 2 HNO3 3 H2SO4 4 ICE 5 Other <small>Describe in Special Instructions</small>	Lead	Copper	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Room 5 Restroom Sink	
	<input type="checkbox"/>	<input type="checkbox"/>	06/14/2012					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
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Method of Shipment:													Sample Condition Upon Receipt:				
Relinquished by:													Received by:				
Date/Time: 06/14/2012													Date/Time:				
Relinquished by:													Received by:				
Date/Time:													Date/Time:				

Controlled Document - COC-07 Chemistry RT1 02/26/2021

AGREE TO ELECTRONIC SIGNATURE (By checking, I consent to signing this Chain of Custody document by electronic signature.)

EMSL Analytical, Inc.'s Laboratory Terms and Conditions are incorporated into this Chain of Custody by reference in their entirety. Submission of samples to EMSL Analytical, Inc. constitutes acceptance and acknowledgment of all terms and conditions by Customer.

# **APPENDIX A**



# LEAD in Drinking Water

## HEALTH EFFECTS OF LEAD

Lead is found throughout the environment in lead-based paint, air, soil, household dust, food, certain types of pottery, porcelain and pewter, and water. Lead can pose a significant risk to your health if too much of it enters your body.

Lead builds up in the body over many years and can cause damage to the brain, red blood cells and kidneys. The greatest risk is to young children and pregnant women. Amounts of lead that won't hurt adults can slow down normal mental and physical development of growing bodies. In addition, a child at play often comes into contact with sources of lead contamination - like dirt and dust - that rarely affect an adult. It is important to wash children's hands and toys often, and to try to make sure they only put food in their mouths.



## LEAD IN DRINKING WATER

Lead in drinking water, although rarely the sole cause of lead poisoning, can significantly increase a person's total lead exposure, particularly the exposure of infants who drink baby formulas and concentrated juices that are mixed with water. EPA estimates that drinking water can make up 20 percent or more of a person's total exposure to lead.

THE UNITED STATES ENVIRONMENTAL PROTECTION AGENCY (EPA) and (a)

are concerned about lead in your drinking water. Some drinking water samples taken from this facility have lead levels above the EPA action level of 15 parts per billion (ppb), or 0.015 milligrams of lead per liter of water (mg/L). Under Federal law we are required to have a program in place to minimize lead in your drinking water by (b)

This program includes:

- 1) Corrosion control treatment (treating the water to make it less likely that lead will dissolve into the water);
- 2) Source water treatment (removing any lead that is in the water at the time it leaves our treatment facility); and
- 3) A public education program.

If you have any questions about how we are carrying out the requirements of the lead regulation please call us at (c)

This poster also explains the simple steps you can take to protect yourself by reducing your exposure to lead in drinking water.

## HOW LEAD ENTERS OUR WATER

Lead is unusual among drinking water contaminants in that it seldom occurs naturally in water supplies like rivers and lakes. Lead enters drinking water primarily as a result of the corrosion, or wearing away, of materials containing lead in the water distribution system and household plumbing. These materials include lead-based solder used to join

copper pipe, brass and chrome-plated brass faucets, and in some cases, pipes made of lead that connect houses and buildings to water mains (service lines). In 1986, Congress banned the use of lead solder containing greater than 0.2% lead, and restricted the lead content of faucets, pipes and other plumbing materials to 8.0%.

When water stands in lead pipes or plumbing systems containing lead for several hours or more, the lead may dissolve into your drinking water. This means the first water drawn

from the tap in the morning, or later in the afternoon if the water has not been used all day, can contain fairly high levels of lead.

## STEPS YOU CAN TAKE to Reduce Exposure to Lead in Drinking Water

1. **FLUSH YOUR SYSTEM.** Let the water run from the tap before using it for drinking or cooking any time the water in a faucet has gone unused for more than six hours. The longer water resides in plumbing the more lead it may contain. Flushing the tap means running the cold water faucet for about 15-30 seconds. Although toilet flushing or showering flushes water through a portion of the plumbing system, you still need to flush the water in each faucet before using it for drinking or cooking. Flushing tap water is a simple and inexpensive measure you can take to protect your health. It usually uses less than one to two gallons of water.

2. **USE ONLY COLD WATER FOR COOKING AND DRINKING.** Do not cook with, or drink water from the hot water tap. Hot water can dissolve more lead more quickly than cold water. If you need hot water, draw water from the cold tap and then heat it.

3. **USE BOTTLED WATER.** The steps described above will reduce the lead concentrations in your drinking water. However, if you are still concerned, you may wish to use bottled water for drinking and cooking.



## FOR MORE INFORMATION

YOU CAN CONSULT a variety of sources for additional information:

Your family doctor or pediatrician can perform a blood test for lead and provide you with information about the health effects of lead. State and local government agencies that can be contacted include:

- (d) at (e) can
- (f) provide you with information about your facility's water supply; and
- (g) at (h) or the
- (b) at (i) can

provide you with information about the health effects of lead.


# LICENSES



*Lead Identification Permit*

**New Jersey Department of Health**

**JAMES N MADDEN**



**Permit No.: 037551**  
**ID No.: 011653**  
**Expires: 3/3/2024**

Authorization Signature: *Christina Tan*  
Christina Tan, MD, M.P.H., Assistant Commissioner

**Inspector/Risk Assessor**



PHILIP D. MURPHY

Governor  
LOCATION  
101 S BROAD ST  
TRENTON NJ 08608

STATE OF NEW JERSEY  
DEPARTMENT OF COMMUNITY AFFAIRS  
DIVISION OF CODES AND STANDARDS  
LEAD HAZARD UNIT

LT. GOVERNOR SHEILA Y. OLIVER

Commissioner  
MAILING ADDRESS  
101 S BROAD ST  
TRENTON NJ 08616

Certificate - Lead Evaluation Contractor

**RECERTIFIED**

This is to certify that the Department of Community Affairs has certified

ENV. TESTING CONSULTANTS, LLC  
413 NORTH BLACK HORSE PIKE  
RUNNEMEDE NJ 08078

To act as a Lead Evaluation Contractor on the following Projects

Residential  
Public Buildings  
Comm/Steel Structure

Cert #: 00335-E  
Effective Date: 2/1/2022  
Expiration Date: 1/31/2024  
Certificate Type: 2 YEAR