FlashReport™ Test Results

Conducted by:
O'Leary Air
craig@olearyair.com
(503) 989-5251

Monitor ID: 35409
Report ID: 864890
Test Period: 01/29/26
02:03 PM

Outdoor Environment
51.8°F
87% RH
GOOD

This report identifies air pollutants commonly found in homes and offers recommendations so you can make informed decisions about health, comfort, and safety indicators in your home.

HEALTH	Particulate Matter ($\mu g/m^3$)	676.5	Action Required
	Chemicals ($\mu g/m^3$)	>4000	Action Required
	Formaldehyde ($\mu g/m^3$)	25.7	Action Recommended for Sensitive Individuals
	Carbon Dioxide (ppm)	1601	Action Required
COMFORT	Temperature (°Fahrenheit)	69.9	No Action Necessary
	Relative Humidity (RH%)	53.5	Action Recommended for Sensitive Individuals
SAFETY	Carbon Monoxide (ppm)	1.2	No Action Necessary

No Action Necessary:	Within acceptable levels for most people.
Action Recommended for Sensitive Individuals:	Pollutant levels may affect some individuals like children, elderly, people with health conditions.
Action Recommended:	Pollutant levels above health guidelines for the general public.
Action Required:	Pollutants at levels deemed unhealthy by authorities; steps should be taken urgently.

If you are interested in a more in-depth analysis, ask your contractor about a multi-day test.

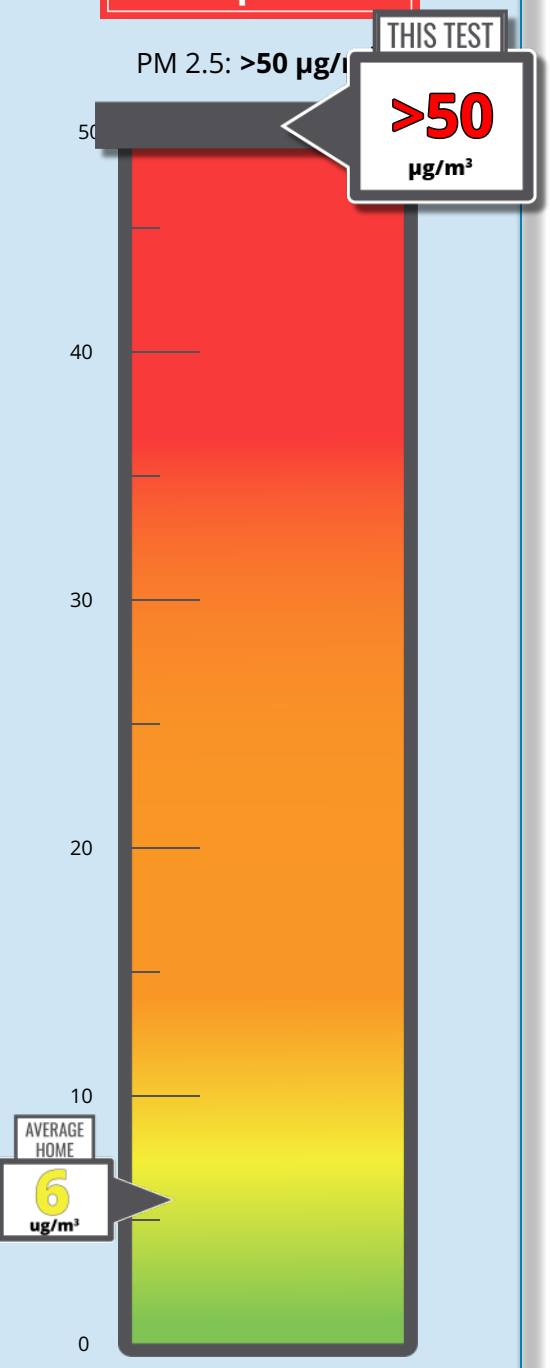
WHAT WE FOUND IN YOUR HOME:

Particle levels were above

35 µg/m^3

Action Required

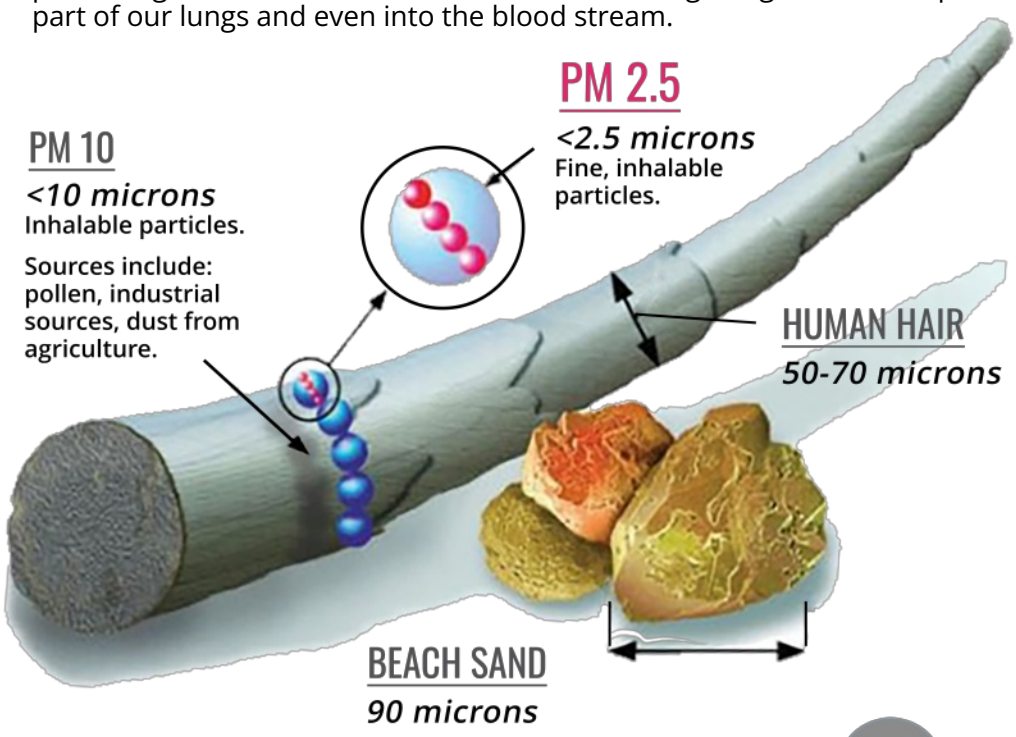
PM 2.5: **>50 µg/**



HEALTH: PARTICLES (PM 2.5)

WHAT ARE PARTICLES?

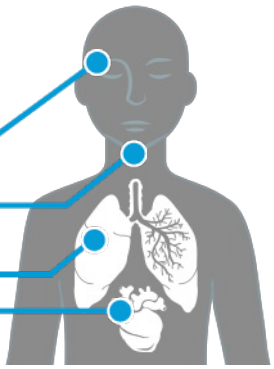
Particulate matter (PM) is a microscopic mixture of solid dust particles and liquid droplets found in the air, invisible to the eye. The smallest particles pose the greatest health risk. PM 2.5 is small enough to get in the deepest part of our lungs and even into the blood stream.



HEALTH CONCERNS

Exposure to PM 2.5 is associated with:

- Eye irritation
- Asthma attacks
- Lung and throat irritation
- Trouble breathing
- Lung cancer
- Increased hospitalizations for heart and lung disease



POTENTIAL CAUSES

- Combustion: cooking, candles, improperly vented combustion appliances
- Activities in the home such as cleaning and housework
- Biological contaminants: animals, pests, plants, and mold
- Formation of PM due to indoor chemical reactions such as printers

*Also consider non-local pollution (pollen, wildfire smoke).

RECOMMENDED ACTIONS

- Use range exhaust fan when cooking
- Inspect ductwork; seal and clean as necessary
- Replace filters or upgrade filtration to highest MERV-rated filter possible
- Upgrade thermostat to operate HVAC system fan on a schedule
- Consider portable HEPA filtration in frequently occupied zones

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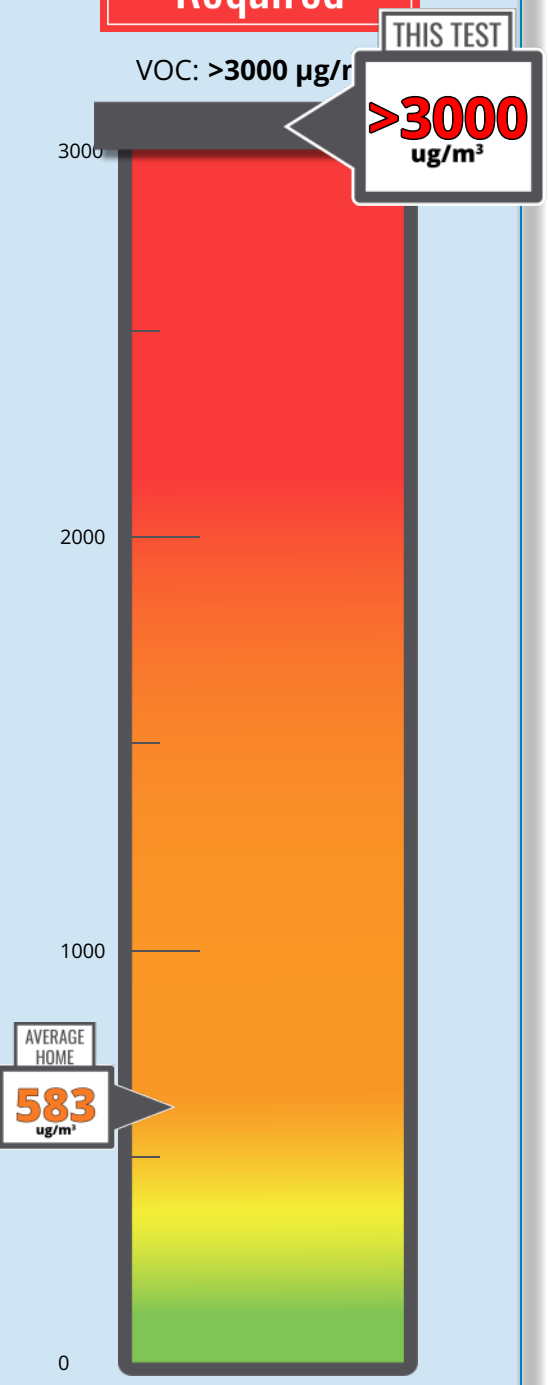
SCAN THE QR CODE FOR MORE INFORMATION:

Sources: Environmental Protection Agency (EPA), California Air Resources Board (CARB), International WELL Building Institute

WHAT WE FOUND IN YOUR HOME:

VOC levels were above **2000 µg/m³**

Action Required

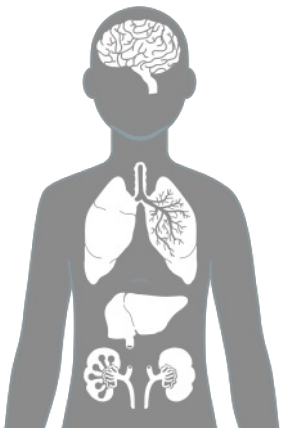


HEALTH: CHEMICALS (VOCs)

WHAT ARE VOCs?

Volatile Organic Compounds (VOCs) represent a broad category of chemicals that are present in numerous products we use to build and maintain our homes. Once these chemicals are in our homes, they are discharged or "off-gas" into the indoor air we breathe. They may or may not emit odors, so smelling is not a good indicator of health risk[1,3].

HEALTH CONCERNS



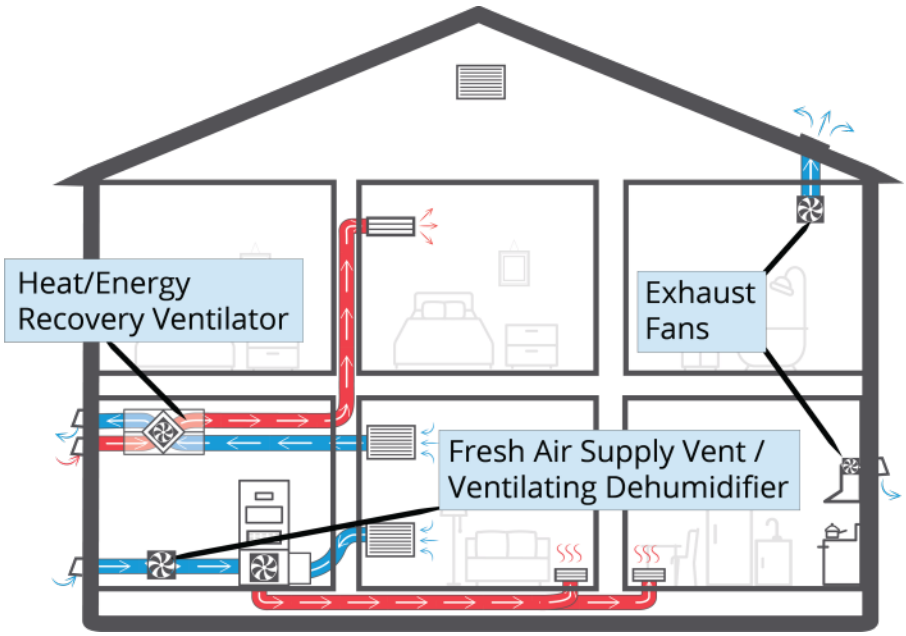
- Eye, nose, and throat irritation, difficulty breathing, asthma[1,2,5]
- Central nervous system damage, headaches, and dizziness[1,2,5]
- Skin problems[1,2]
- Damage to the liver and/or kidneys[1,2]
- Linked to fertility issues, cancers, neurological and learning disabilities[4,5]

POTENTIAL CAUSES

- **Building materials and furnishings:** furniture, flooring, wood products, rugs, carpets, paints, sealants, glues, adhesives and insulation[1,2,5]
- **Household Products:** cleaning supplies, cosmetics, scented products, air fresheners, and toys[1,2,4,5]. Stored fuels in attached garages[2].

RECOMMENDED ACTIONS

- Reduce VOC sources: scented products, cleaning fluids, candles[5]
- Heat or energy recovery ventilator (HRV/ERV)
- Fresh air supply vent or ventilating dehumidifier
- Exhaust-only ventilation
- Install carbon filtration to capture VOCs



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SCAN THE QR CODE FOR MORE INFORMATION:

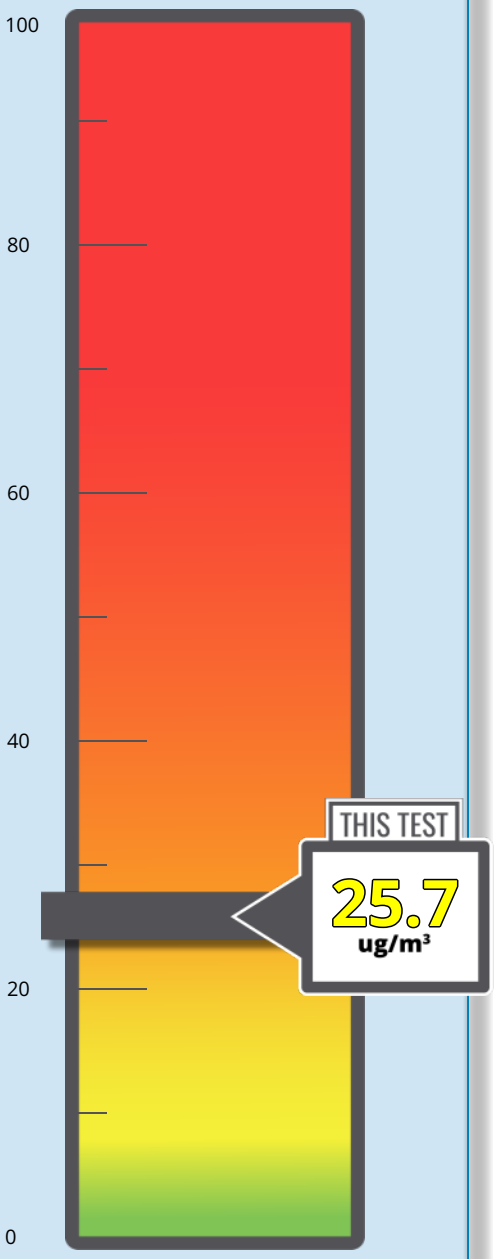
Sources: (1) Environmental Protection Agency (EPA), (2) HealthLinkBC, (3) Minnesota Department of Health, (4) Endocrine.org, (5) American Lung Association

WHAT WE FOUND IN YOUR HOME:

CH_2O levels were between **5-33 µg/m³**

Action Recommended
for Sensitive Individuals

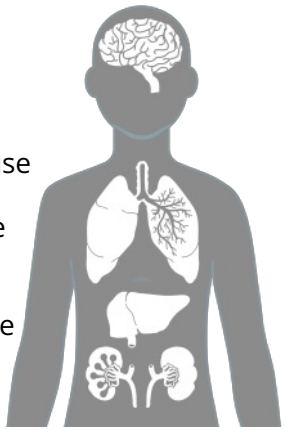
CH_2O: **25.7 µg/m³**



HEALTH: FORMALDEHYDE (CH_2O)

WHAT IS FORMALDEHYDE?

Formaldehyde is a chemical found in many household products and building materials, and is also produced by combustion. While formaldehyde is common in homes, it can be harmful to your health. The CDC says the cancer risk is low from typical indoor formaldehyde levels. Experts recommend keeping formaldehyde levels as low as reasonably possible in your home.



HEALTH CONCERNS

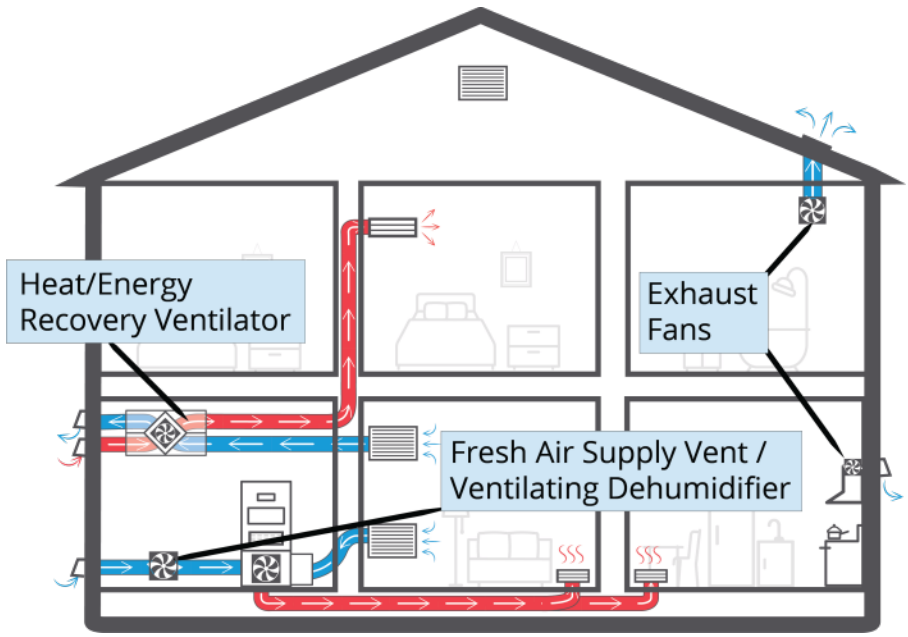
- Irritation of the skin, eyes, nose, and throat[2].
- High levels of exposure to formaldehyde may cause some types of cancers[2].
- Wheezing and coughing, fatigue, skin rash, severe allergic reactions[1].
- Some develop a sensitivity to formaldehyde[1].
- High concentrations may trigger attacks on people with asthma[1].

POTENTIAL CAUSES

- **Building materials and furnishings:** furniture, flooring, pressed wood products, paints, sealants, glues, adhesives, and insulation.
- **Household Products:** cosmetics, scented products, air fresheners, toys, use of unvented fuel burning appliances, smoking, some synthetic fabrics.

RECOMMENDED ACTIONS

- Choose low-formaldehyde products when building or remodeling[3].
- Keep heat and relative humidity levels low indoors[1].
- Increase ventilation: heat or energy recovery ventilator (HRV/ERV), fresh air supply vent or ventilating dehumidifier.



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SCAN THE QR CODE FOR MORE INFORMATION:

Sources: (1) What should I know about formaldehyde and indoor air quality? | US EPA, (2) Formaldehyde | US EPA, (3) Formaldehyde | American Lung Association, (4) Residential Indoor Air Quality Guideline: Formaldehyde | Health Canada

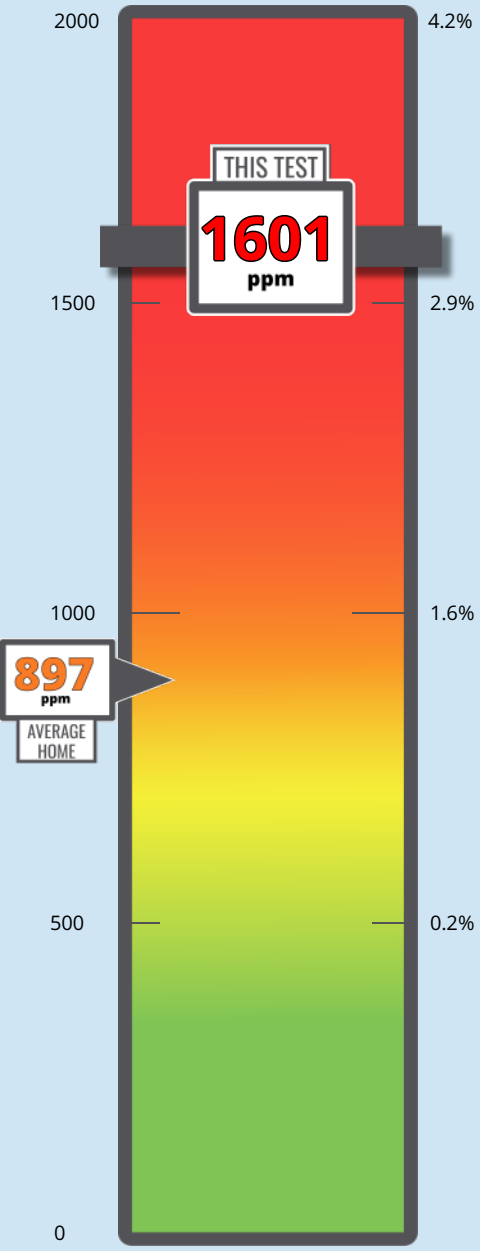
WHAT WE FOUND IN YOUR HOME:

CO_2 levels were above **1000 ppm**

Action Required

CO_2: **1601 ppm**

Rebreathed fraction: **3.40%**



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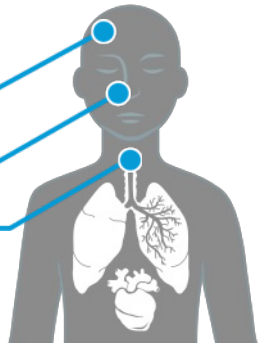
HEALTH: CARBON DIOXIDE (CO_2)

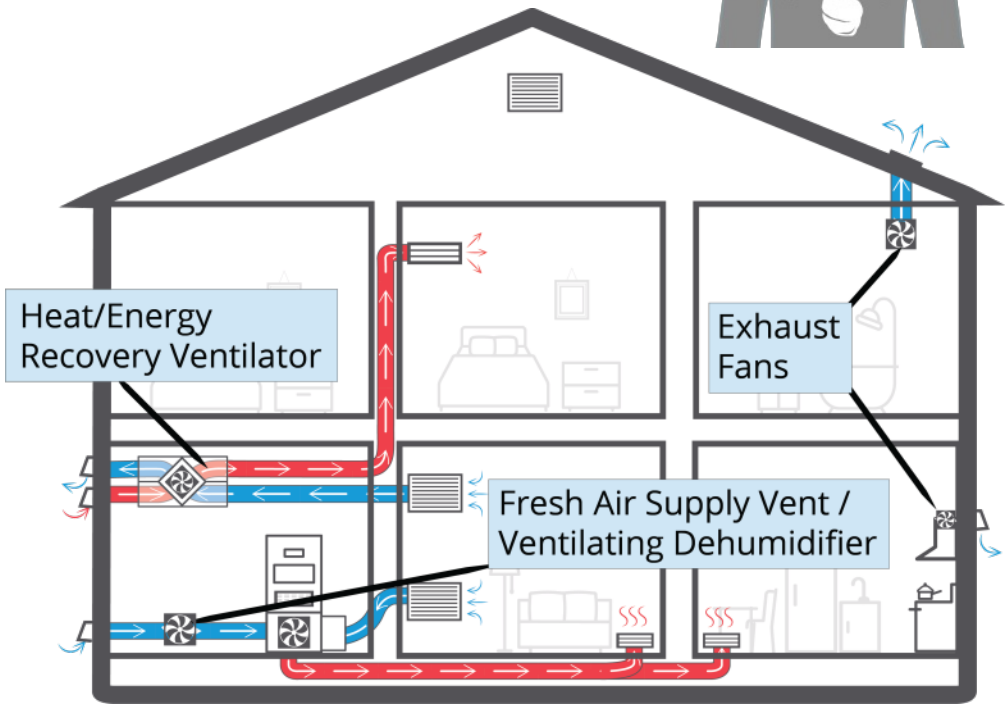
WHAT IS CARBON DIOXIDE?

Carbon dioxide (CO_2) is a gas we exhale. It builds up in the home when there is no mechanical ventilation for fresh outdoor air. Ventilation has a great impact on health, comfort, and performance. Well ventilated homes with adequate air exchange should have CO2 levels of 600-1,000 ppm, with an average of 800 ppm or less[1]. The rebreathed fraction is the percent of the indoor air that has been previously exhaled[2].

HEALTH CONCERNS

- Lower cognitive function[2]
- CO_2 levels over 1,000 ppm - Higher risk of rhinitis (sneezing or a runny/blocked nose)[3]
- Eye irritation, sore/dry throat, coughing, sneezing, and stuffy, congested or runny nose
- Increased risk of airborne disease[4]





POTENTIAL CAUSES

Source causes:
'Tight' or energy-efficient home construction without adequate ventilation, breathing, combustion activities

Heating & cooling issues:
Lack of supplied fresh air/ventilation, malfunctioning or shut-off ventilation, HVAC equipment needs repair

RECOMMENDED ACTIONS

- Heat or energy recovery ventilator (HRV/ERV)
- Fresh air supply vent or ventilating dehumidifier
- Exhaust-only ventilation
- Inspect ventilation system to ensure performance and adjust as needed

SCAN THE QR CODE FOR MORE INFORMATION:

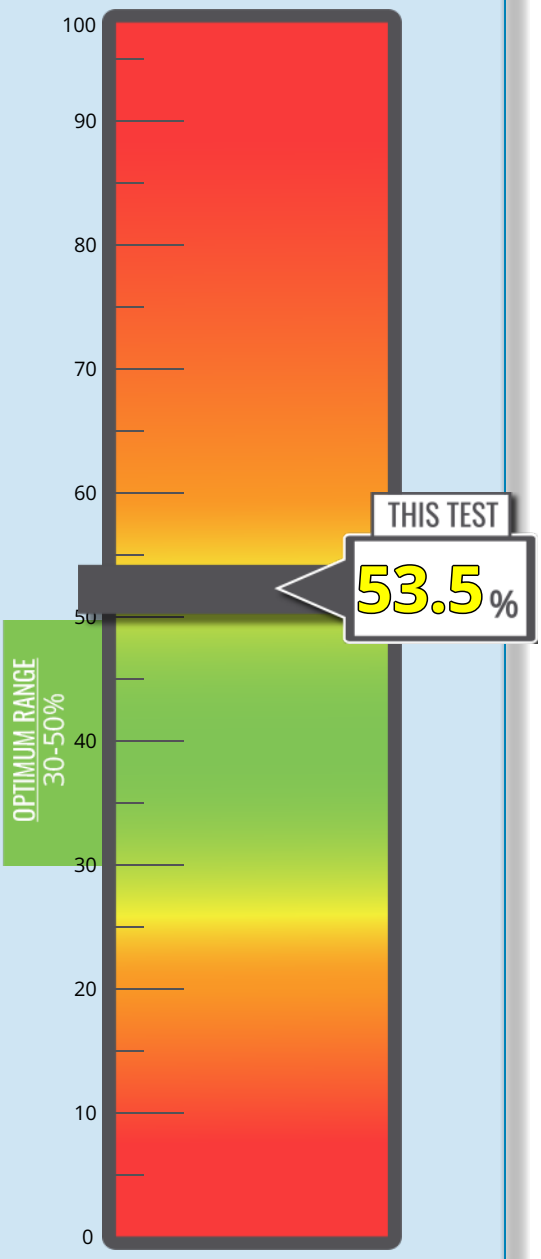
Sources: Environmental Protection Agency (EPA), California Air Resources Board (CARB), International WELL Building Institute

WHAT WE FOUND IN YOUR HOME:

Humidity levels were above **50%**

Action Recommended
for Sensitive Individuals

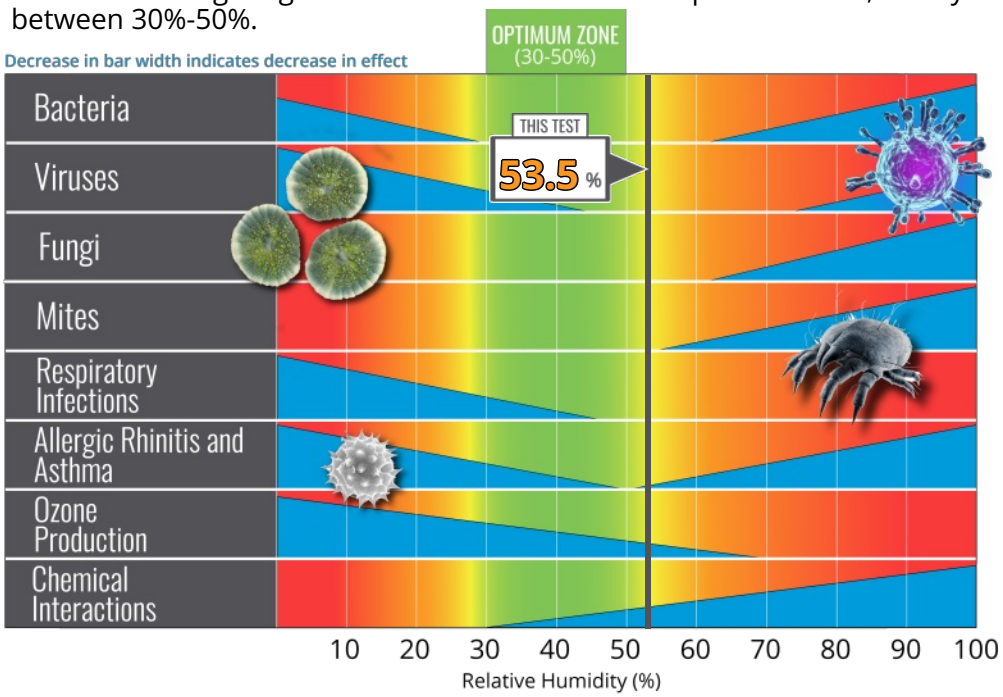
Humidity: **53.5%**
Dew Point: **52.2°**



COMFORT: RELATIVE HUMIDITY (RH%)

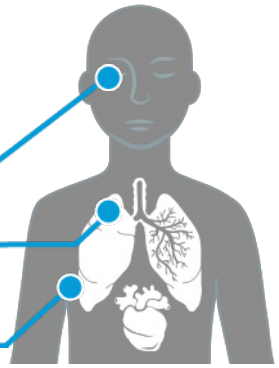
WHAT IS RELATIVE HUMIDITY?

Relative humidity (RH) is a measure of how much water vapor is in the air. It can affect the incidence of respiratory infections and allergies, and contribute to comfort issues. According to the CDC, high moisture (>60%) can foster biological growth. Indoor RH should be kept below 60%, ideally between 30%-50%.



COMFORT & HEALTH CONCERNS

- Ignoring RH aids in the spread of viruses and bacteria, and can adversely affect the eyes, skin, and respiratory tract
- **Low RH**: feeling too cold, irritated respiratory passages, and being prone to infection
- **High RH**: increased allergen loads (pollen, mites, and mold), and ineffective perspiration, the body's natural cooling mechanism



POTENTIAL CAUSES

Structural issues:
Exterior grading and rainwater management/standing water, leaky building envelope, plumbing leaks

Heating & cooling system issues:
Poor humidification or ventilation, improperly sized cooling system, HVAC equipment needs repair

RECOMMENDED ACTIONS

- Install humidifier or dehumidifier
- Inspect ductwork; seal and clean as necessary
- Operate exhaust fans during cooking and bathing
- Install UVC lamp (non-ozone) over the AC coil to prevent biological growth

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SCAN THE QR CODE FOR MORE INFORMATION:

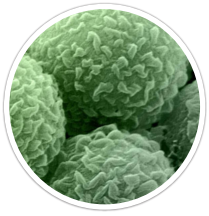
Sources: Environmental Protection Agency (EPA) & U.S. Center for Disease Control and Prevention (CDC), Indirect Health Effects of Relative Humidity in Indoor Environments, Environmental Health Perspectives, Health Canada

Recommendations for

REDUCING INDOOR ALLERGENS THROUGHOUT YOUR HOME

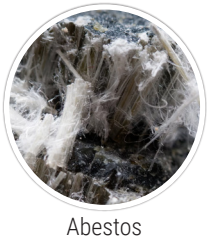
Biological contaminants

Pollen



Mold spores

Tobacco smoke



Abestos

Rodent droppings

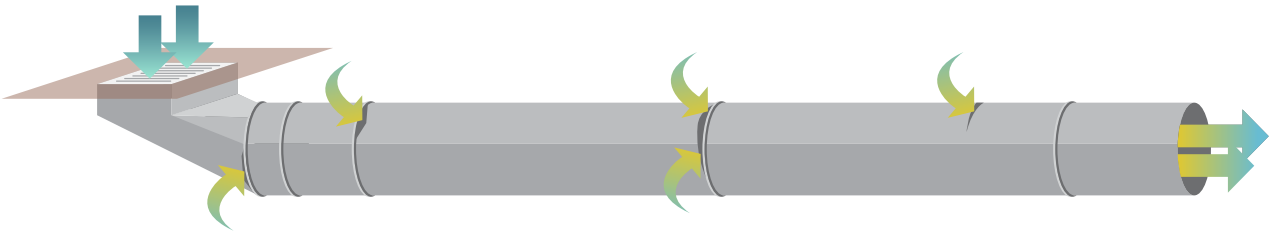
Moisture

About Indoor Allergens & Your Health:

Indoor air can be 2-5 times more polluted than outdoor air. Most people spend approximately 90% of their time indoors so it is critically important to control pollutants and create the healthiest possible indoor air.

How Does Leaky Ductwork Cause Indoor Air Quality Concerns?

Two primary causes of indoor allergens are inadequate ventilation and infiltration. Supply ducts distribute conditioned air throughout the rooms in your home while return ducts pull air back into the duct system so it can be reconditioned and redistributed. When ductwork is leaky, especially on the return side, contaminants can enter the ductwork through tiny holes and cracks. These contaminants can come from behind walls, underneath floors, attics, basements and crawlspaces. Your ductwork works together with your filter as a system. For best results address deficiencies in both to reduce allergens in your home.



Why Should I Be Concerned?

Indoor air allergens and pollutants can lead to short and long-term health issues and can also trigger pre-existing medical conditions. Short-term health effects can include irritation of eyes, nose and throat, headaches, dizziness and fatigue. Long-term health effects such as respiratory and heart diseases can occur if exposure is consistent and happens over a long period of time.

How Can I Fix This Issue?

Aeroseal's duct sealing technology is the safest and most effective method of sealing ductwork available today. This patented technology is a simple process that seals all of the leaks and gaps in your ductwork from the inside and with absolute precision. You will receive a Certificate of Completion that will show you your before and after numbers. Aeroseal is a no-mess, no-fuss way to create healthier indoor air for you and your family.