



WINNIPEG
Air Testing

Practical Health and Safety Solutions

5 Donwood Drive, Winnipeg, MB R2G 0V9
Phone (204) 668-3141
Email: contact@winnipegairtesting.com

Client Name
Client email

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Project Number: R12239

MOISTURE SURVEY

Background Information

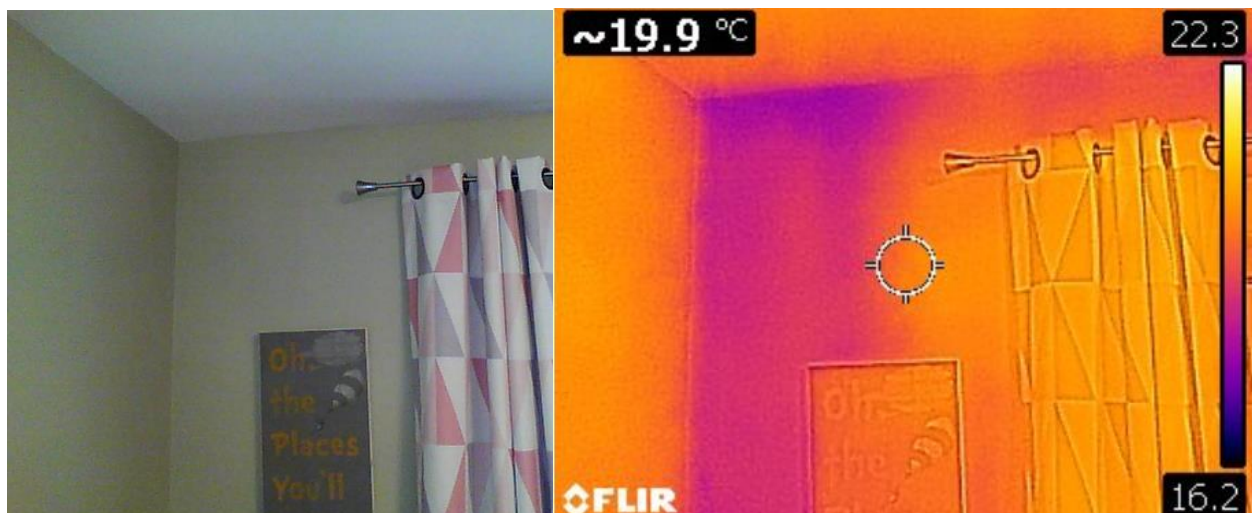
Mould is an agent of opportunity and requires moisture in terms of water intrusion or wet building material to start to grow inside a building or structure. Water intrusion brings its own disadvantages in terms of water damage and water staining.

Moisture / Moisture Content

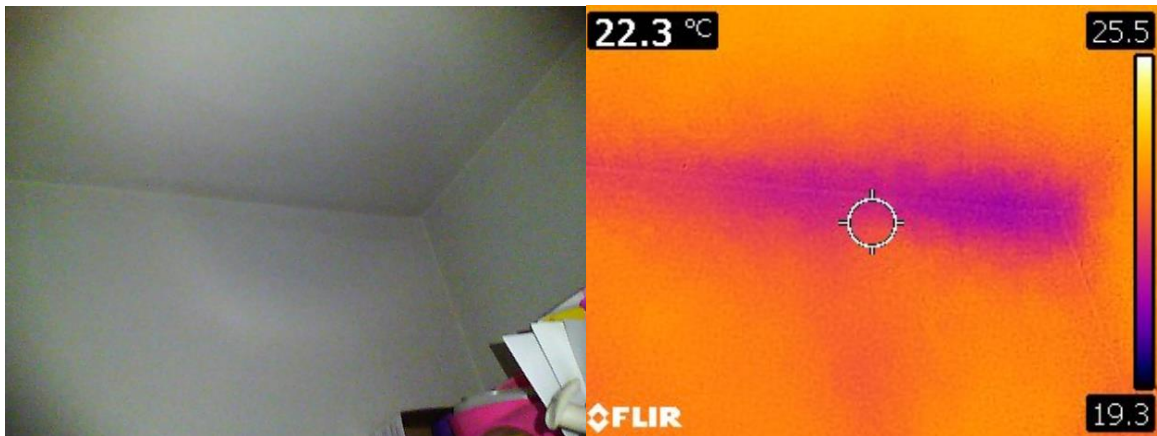
An infrared camera was used to help identify potential problems. An infrared camera “sees” in terms of temperature. Locations that have water intrusion or high moisture content are typically colder and thus appear differently to the infrared camera. Moisture content measurements were then taken with a hand-held moisture meter at points of concern to measure the moisture content of building material.

Moisture / Moisture Content

An inspection of the home performed using an infrared camera found cold spots in two rooms. The wall of the second bedroom had elevated moisture content of 30% - 35%. Mould growth generally starts around 20% moisture content. Images and infrared images of the wall are provided below. The purple area in the infrared image is the area of elevated moisture content. That corner of the second bedroom backs onto the closet of the master bedroom.



The top left corner of the master bedroom closet (shown in picture and infrared image below) had a small presence of elevated moisture.



The images below show the outside of the second bedroom window. The chimney is located along the edge of the room. The flashing on the chimney may be the source of the water intrusion. If so, this is a relatively quick and inexpensive repair.



I hope this information is of assistance to you. Should you have any questions, or if I can be of any further assistance, please contact me at (204) 668-3141.

Winnipeg Air Testing
Per:

Douglas N. Wylie

Doug Wylie, CIH, ROH, CRSP, CRM
Occupational Hygienist