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**205-607-2082**

**AL License #: HI-4007**

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## **Radon Gas Measurement Report**

Subject Property: 1564 Magnolia Way, Birmingham, AL 35216

Testing Location: Basement - Common Hallway

Radon Monitor Serial # CRM 510-5812

Start Date: 1/19/2023 - Start Time: 2:10 PM

End Date: 1/21/2023 - End Time: 5:10 PM

**Test Result - Fail (EPA Protocol Average = 4.2)**

### **PURPOSE OF THIS INSPECTION REPORT**

To provide a professional opinion of a structure's radon levels at the time of the test period, limited to the conditions identified in this report.

### **EPA EXPLANATION OF TEST RESULTS**

Radon is the second leading cause of lung cancer, after smoking. The U.S. Environmental Protection Agency (EPA) and the Surgeon General strongly recommend taking further action when the home's radon test results are **4.0 pCi/l (picocuries per liter of air) or greater**. Radon levels less than 4.0 pCi/l still pose some risk and in many cases may be reduced. The national average indoor radon level is about 1.3 pCi/l while outdoor radon levels average 0.4 pCi/l. The higher a home's radon level, the greater the health risk to you and your family. Smokers and former smokers are at especially high risk. EPA recommends that you use an EPA or State-approved contractor trained to fix radon problems. You can call your state radon office to obtain information, including a list of EPA or State-approved radon contractors who can fix or can help you develop a plan for fixing the radon problem. Many questions you may have can be found in EPA's publication "**Home Buyer's and Seller's Guide to Radon**".

### **LIMITATIONS OF LIABILITY**

Red Mountain Inspections, LLC cannot guarantee the necessary conditions were maintained during the test period. There can be uncertainty with any radon measurement due to statistical variations and other factors such as changes in the weather and operation of the dwelling. While our agents and we make every effort to maintain the highest possible quality control and include checks and verification steps in our procedures, we make **NO WARRANTY OF ANY KIND, EXPRESSED OR IMPLIED**, for the consequences of erroneous test results. Red Mountain Inspections, LLC nor its employees or agents shall not be liable under any claim, charge or demand, whether in contract, tort, or otherwise, for any and all loss, cost, charge, claim, demand, fee, or expense of any nature or kind arising out of, connected with, resulting from, or sustained as a result of any radon test.

**RADON TEST DATA** This test was performed with a **Sun Nuclear 1027**, an EPA and Industry approved testing device. The test was performed in accordance with the current Standards and Guidelines accepted for radon testing.

License / Certification number: Red Mountain Inspections, LLC AL HI-4007

Technician: Chad M. Allen 504 Cattail Circle, Gardendale, AL 35071

Visit the Alabama Department of Public Health's Office of Radiation to learn more about Radon, [click here](#).

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## Radon Inspection Chart



**Test Result: Fail**

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## Test Table

\* Data from first 4 hours excluded from EPA calculations

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<u>Date/Time</u>	<u>Radon(pCi/l)</u>	<u>Flags</u>
01/19/23 03:10 PM	1.8	-
01/19/23 04:10 PM	2.5	-
01/19/23 05:10 PM	2.1	-
01/19/23 06:10 PM	3.6	-
01/19/23 07:10 PM	4.7	-
01/19/23 08:10 PM	3.2	-
01/19/23 09:10 PM	3.2	-
01/19/23 10:10 PM	3.2	-
01/19/23 11:10 PM	5.5	-
01/20/23 12:10 AM	2.5	-
01/20/23 01:10 AM	3.2	-
01/20/23 02:10 AM	2.1	-
01/20/23 03:10 AM	3.6	-
01/20/23 04:10 AM	4.0	-
01/20/23 05:10 AM	5.5	-
01/20/23 06:10 AM	6.2	-
01/20/23 07:10 AM	7.3	-
01/20/23 08:10 AM	5.8	-
01/20/23 09:10 AM	4.0	-
01/20/23 10:10 AM	3.6	-
01/20/23 11:10 AM	4.3	-
01/20/23 12:10 PM	6.9	-
01/20/23 01:10 PM	5.5	-
01/20/23 02:10 PM	5.5	-
01/20/23 03:10 PM	6.2	-
01/20/23 04:10 PM	4.0	-
01/20/23 05:10 PM	2.5	-
01/20/23 06:10 PM	5.5	-
01/20/23 07:10 PM	4.0	-
01/20/23 08:10 PM	3.2	-
01/20/23 09:10 PM	4.0	-
01/20/23 10:10 PM	5.1	-
01/20/23 11:10 PM	2.5	-
01/21/23 12:10 AM	6.5	-
01/21/23 01:10 AM	0.7	-
01/21/23 02:10 AM	4.3	-
01/21/23 03:10 AM	5.5	-
01/21/23 04:10 AM	2.5	-
01/21/23 05:10 AM	4.0	-
01/21/23 06:10 AM	3.2	-
01/21/23 07:10 AM	4.0	-
01/21/23 08:10 AM	5.1	-
01/21/23 09:10 AM	3.6	-
01/21/23 10:10 AM	5.8	-

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**Test Result: Fail**

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## Test Table

\* Data from first 4 hours excluded from EPA calculations

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<u>Date/Time</u>	<u>Radon(pCi/l)</u>	<u>Flags</u>
01/21/23 11:10 AM	3.2	-
01/21/23 12:10 PM	2.9	-
01/21/23 01:10 PM	2.9	-
01/21/23 02:10 PM	5.8	-
01/21/23 03:10 PM	2.1	-
01/21/23 04:10 PM	4.0	-
01/21/23 05:10 PM	2.5	-

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**Test Result: Fail**