



**EMSL ANALYTICAL, INC.**

www.emsl.com

Corporate Office & Lab  
107 Haddon Avenue  
Westmont, NJ 08108  
PH 800-220-3675  
PH 856-858-4800  
FAX 856-858-4766

October 28, 2008

Mr. Mark Johnson; Vice-President-COO  
Granite Transformations  
10360 USA Today Way  
Miramar, FL 33025

EMSL Analytical, Inc. Report: 380804452

Dear Mr. Johnson:

Thank you for selecting EMSL Analytical, Inc., a nationally accredited radon testing laboratory, for your product testing needs. Attached is the final report, detailing the testing protocol used and the resulting data.

There were no appreciable radon gas concentrations detected from the tested material. By way of comparison, the average indoor radon concentration, as determined by the U.S. Environmental Protection Agency (EPA), is 1.3 pCi/L. The EPA recommended action level for remediation is 4.0pCi/L.

Each sample tested was placed in a chamber for 15 days to allow the radon gas to in-grow and achieve equilibrium within the chamber volume. Thereafter a 3-day radon exposure test was performed using EMSL's own Liquid Scintillation radon testing devices. Once the test was completed, the devices were then analyzed using a Liquid Scintillation counter and the results tabulated. The results were calculated and reported as a radon concentration per square foot.

EMSL Analytical, Inc. makes no guarantee nor warranty with respect to the fitness of the end product manufactured with this material for any particular purpose, and accepts no liability or responsibility for the interpretation of these results by Granite Transformations or any third party.

EMSL Analytical, Inc. appreciates the opportunity to assist you with your product research testing. If you have any questions, please feel free to contact me at (800) 220-3675.

Sincerely,

Garrett A. Ray  
Radiological Lab Manager

Enclosures

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Ann Arbor, MI • Atlanta, GA • Baton Rouge, LA • Beltsville, MD • Boston, MA • Buffalo, NY  
Carle Place, NY • Charleston, SC • Chicago, IL • Denver, CO • Houston, TX • Indianapolis, IN • Kernersville, NC  
Libby, MT • Los Alamitos, CA (dba LA Testing) • Miami, FL • Minneapolis, MN • New York, NY  
Orlando, FL • Pensacola, FL • Phoenix, AZ • Piscataway, NJ • Plymouth Meeting, PA • Raleigh, NC  
S. Pasadena, CA (dba LA Testing) • San Leandro, CA • St. Louis, MO • Wallingford, CT • Westmont, NJ

**Locally Focused...Nationally Recognized**



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September 25, 2008

## Radon Test Report

Paul Lane  
Granite Transformations  
10360 USA Today Way  
Miramar, FL 33025

### Radon in Granite Test Results

Sample Number	Radon Activity, pCi/L per sample	Location	Start Time	Stop Time	Temperature, °F	Humidity, %
380804452-0011	Non Detect	Vitro Moretti 6"X6"	9/19/2008 2:45pm	9/22/2008 5:24pm	72	40
380804452-0011A	Non Detect	Vitro Moretti 6"X6"	9/19/2008 2:45pm	9/22/2008 5:24pm	72	40

**Average Radon Result: Non Detect**

**Radiation Scan Result: 60 CPM (counts per minute)**

**Background: 40CPM**

This test was conducted using a piece of granite that was tested for (three days) in a sealed airtight 5 gallon container. Results were then calculated to provide an average radon concentration that would be expected from a 1 square foot piece of granite. Actual radon concentrations may vary due to the heterogeneous concentration of Uranium throughout a piece of granite and from household air volumes.

Garrett A. Ray, Laboratory Manager  
Certified Radon Measurement Specialist  
NRSB-5SS0093; NJ-MES12264  
EMSL Analytical, Inc. Laboratory Certification  
NRSB-ARL6006; NELAC-04006

In no event shall EMSL be liable for indirect, special, consequential, or incidental damages, including, but not limited to, damages for loss of profit or goodwill regardless of the negligence (either sole or concurrent) of EMSL and whether EMSL has been informed of the possibility of such damages, arising out of or in connection with EMSL's services thereunder or the delivery, use, reliance upon or interpretation of test results by client or any third party. We accept no legal responsibility for the purposes for which the client uses the test results. In no event shall EMSL be liable to a client or any third party, whether based upon theories of tort, contract or any other legal or equitable theory, in excess of the amount paid to EMSL by client thereunder.



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### Radon in Granite Test Results

Sample Number	Radon Activity, pCi/L per sample	Location	Start Time	Stop Time	Temperature, °F	Humidity, %
380804452-0022	Non Detect	Red Cristallina 6"X6"	9/19/2008 2:45pm	9/22/2008 5:26pm	74	40
380804452-0022A	Non Detect	Red Cristallina 6"X6"	9/19/2008 2:45pm	9/22/2008 5:26pm	74	40

**Average Radon Result: Non Detect**

**Radiation Scan Result: 60 CPM (counts per minute)**

**Background: 40CPM**

This test was conducted using a piece of granite that was tested for (three days) in a sealed airtight 5 gallon container. Results were then calculated to provide an average radon concentration that would be expected from a 1 square foot piece of granite. Actual radon concentrations may vary due to the heterogeneous concentration of Uranium throughout a piece of granite and from household air volumes.

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Sample Number	Radon Activity, pCi/L per sample	Location	Start Time	Stop Time	Temperature, °F	Humidity, %
380804452-0021	0.1	Red Cristallina 6"X6"	9/19/2008 2:45pm	9/22/2008 5:29pm	74	40
380804452-0021A	Non Detect	Red Cristallina 6"X6"	9/19/2008 2:45pm	9/22/2008 5:29pm	74	40

**Average Radon Result: 0.2 pCi/L per sqft.**

**Radiation Scan Result: 60 CPM (counts per minute)**

**Background: 40CPM**

This test was conducted using a piece of granite that was tested for (three days) in a sealed airtight 5 gallon container. Results were then calculated to provide an average radon concentration that would be expected from a 1 square foot piece of granite. Actual radon concentrations may vary due to the heterogeneous concentration of Uranium throughout a piece of granite and from household air volumes.

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### Radon in Granite Test Results

Sample Number	Radon Activity, pCi/L per sample	Location	Start Time	Stop Time	Temperature, °F	Humidity, %
380804452-0019	0.1	Grigio Wintermute 6"X6"	9/19/2008 2:45pm	9/22/2008 5:31pm	72	40
380804452-0019A	0.1	Grigio Wintermute 6"X6"	9/19/2008 2:45pm	9/22/2008 5:31pm	72	40

**Average Radon Result: 0.4 pCi/L per sqft.**

**Radiation Scan Result: 80 CPM (counts per minute)**

**Background: 40CPM**

This test was conducted using a piece of granite that was tested for (three days) in a sealed airtight 5 gallon container. Results were then calculated to provide an average radon concentration that would be expected from a 1 square foot piece of granite. Actual radon concentrations may vary due to the heterogeneous concentration of Uranium throughout a piece of granite and from household air volumes.

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### Radon in Granite Test Results

Sample Number	Radon Activity, pCi/L per sample	Location	Start Time	Stop Time	Temperature, °F	Humidity, %
380804452-0014	Non Detect	Perla Bianco 6"X6"	9/19/2008 2:45pm	9/22/2008 5:32pm	74	40
380804452-0014A	Non Detect	Perla Bianco 6"X6"	9/19/2008 2:45pm	9/22/2008 5:32pm	74	40

**Average Radon Result: Non Detect**

**Radiation Scan Result: 80 CPM (counts per minute)**

**Background: 40CPM**

This test was conducted using a piece of granite that was tested for (three days) in a sealed airtight 5 gallon container. Results were then calculated to provide an average radon concentration that would be expected from a 1 square foot piece of granite. Actual radon concentrations may vary due to the heterogeneous concentration of Uranium throughout a piece of granite and from household air volumes.

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Sample Number	Radon Activity, pCi/L per sample	Location	Start Time	Stop Time	Temperature, °F	Humidity, %
380804452-0018	0.1	Grigio Wintermute 6"X6"	9/19/2008 2:45pm	9/22/2008 5:34pm	74	40
380804452-0018A	Non Detect	Grigio Wintermute 6"X6"	9/19/2008 2:45pm	9/22/2008 5:34pm	74	40

**Average Radon Result: 0.2 pCi/L per sqft.**

**Radiation Scan Result: 80 CPM (counts per minute)**

**Background: 40CPM**

This test was conducted using a piece of granite that was tested for (three days) in a sealed airtight 5 gallon container. Results were then calculated to provide an average radon concentration that would be expected from a 1 square foot piece of granite. Actual radon concentrations may vary due to the heterogeneous concentration of Uranium throughout a piece of granite and from household air volumes.

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Sample Number	Radon Activity, pCi/L per sample	Location	Start Time	Stop Time	Temperature, °F	Humidity, %
380804452-0017	0.1	Grigio Wintermute 6"X6"	9/19/2008 2:45pm	9/22/2008 5:35pm	74	40
380804452-0017A	0.1	Grigio Wintermute 6"X6"	9/19/2008 2:45pm	9/22/2008 5:35pm	74	40

**Average Radon Result: 0.4 pCi/L per sqft.**

**Radiation Scan Result: 60 CPM (counts per minute)**

**Background: 40CPM**

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### Radon in Granite Test Results

Sample Number	Radon Activity, pCi/L per sample	Location	Start Time	Stop Time	Temperature, °F	Humidity, %
380804452-0020	Non Detect	Red Cristallina 6"X6"	9/19/2008 2:45pm	9/22/2008 5:37pm	74	40
380804452-0020A	Non Detect	Red Cristallina 6"X6"	9/19/2008 2:45pm	9/22/2008 5:37pm	74	40

**Average Radon Result: Non Detect**

**Radiation Scan Result: 80 CPM (counts per minute)**

**Background: 40CPM**

This test was conducted using a piece of granite that was tested for (three days) in a sealed airtight 5 gallon container. Results were then calculated to provide an average radon concentration that would be expected from a 1 square foot piece of granite. Actual radon concentrations may vary due to the heterogeneous concentration of Uranium throughout a piece of granite and from household air volumes.

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380804452-0015	Non Detect	Perla Bianco 6"X6"	9/19/2008 2:45pm	9/22/2008 5:40pm	74	40
380804452-0015A	Non Detect	Perla Bianco 6"X6"	9/19/2008 2:45pm	9/22/2008 5:40pm	74	40

**Average Radon Result: Non Detect**

**Radiation Scan Result: 80 CPM (counts per minute)**

**Background: 40CPM**

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Sample Number	Radon Activity, pCi/L per sample	Location	Start Time	Stop Time	Temperature, °F	Humidity, %
380804452-0016	Non Detect	Perla Bianco 6"X6"	9/19/2008 2:45pm	9/22/2008 5:41pm	74	40
380804452-0016A	Non Detect	Perla Bianco 6"X6"	9/19/2008 2:45pm	9/22/2008 5:41pm	74	40

**Average Radon Result: Non Detect**

**Radiation Scan Result: 60 CPM (counts per minute)**

**Background: 40CPM**

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## Summary Analytical Report:

Sample ID	Radon Concentration, (pCi/Sq.Ft)
Vitro Moretti	Non Detect
Red Cristallina	Non Detect
Red Cristallina	0.2
Grigio Wintermute	0.4
Perla Bianco	Non Detect
Grigio Wintermute	0.2
Grigio Wintermute	0.4
Red Cristallina	Non Detect
Perla Bianco	Non Detect
Perla Bianco	Non Detect

**Customer:** Granite Transformations

**Product Description:** Finished Product of Granite Countertop;  
6" X 6" square test piece

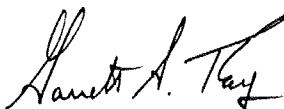
**Test Conditions:** 74°F +/- 2°F; 40% RH +/- 10%

**Test Period:** 9/3/08 – 9/19/08 Radon Ingrowth Period  
9/19/08 – 9/22/08 Radon Exposure Test Period

**Test Description:** Each sample tested was placed in a chamber for 15 days to allow the radon gas to in-grow and achieve equilibrium within the chamber volume. Thereafter a 3-day radon exposure test was performed using EMSL's own Liquid Scintillation radon testing devices. Once the test was completed, the devices were then analyzed using a Liquid Scintillation counter and the results tabulated. The results were calculated and reported as a radon concentration per square foot.

**Radon Device:** EMSL Analytical Liquid Scintillation Radon Device,  
NRSB Device # 12199

**Radon Lab Certification:** NRSB ARL6006; FL RB2034; NELAC 04006



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