

CERTIFICATE OF ANALYSIS

Ms. Nancy Mills
Attn: Ms. Nancy Mills
14 Catalpa Way
Coventry, RI 02816

Date Received: 9/15/2011
Date Reported: 9/21/2011
P.O. #:
Work Order #: 1109-17970

DESCRIPTION: TWO WIPE SAMPLES AND ONE BULK SAMPLE

Subject sample(s) has/have been analyzed by our Warwick, R.I. laboratory and our subcontracted laboratory with the attached results.

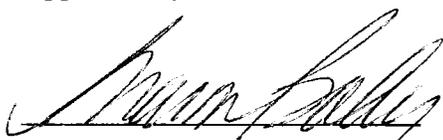
Reference: All parameters were analyzed by U.S. EPA approved methodologies.
The specific methodologies are listed in the methods column of the Certificate Of Analysis.

Data qualifiers (if present) are explained in full at the end of a given sample's analytical results.

Certification #: RI-033, MA-RI015, CT-PH-0508, ME-RI015
NH-253700 A & B, USDA S-41844, NY-11726

If you have any questions regarding this work, or if we may be of further assistance, please contact us.

Approved by:



Data Reporting

enc: Chain of Custody

R.I. Analytical Laboratories, Inc.
CERTIFICATE OF ANALYSIS

Ms. Nancy Mills
 Date Received: 9/15/2011
 Work Order #: 1109-17970

Sample # 001
SAMPLE DESCRIPTION: #1 VINYL FENCE POST 8"X8"
SAMPLE TYPE: OTHER **SAMPLE DATE/TIME:** 9/14/2011 @ 18:00

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	DATE ANALYZED	ANALYST
Metals Wipe Samples						
Lead	<4.5	4.5	ug/sq ft	SW-846 6010	9/20/2011	PJC
Titanium	36	5.7	ug	SW-846 6010	9/20/2011	PJC

Sample # 002
SAMPLE DESCRIPTION: #2 VINYL FENCE POST 8"X8"
SAMPLE TYPE: OTHER **SAMPLE DATE/TIME:** 9/14/2011 @ 18:10

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	DATE ANALYZED	ANALYST
Metals Wipe Samples						
Lead	<4.5	4.5	ug/sq ft	SW-846 6010	9/20/2011	PJC
Titanium	26	5.7	ug	SW-846 6010	9/20/2011	PJC

Sample # 003
SAMPLE DESCRIPTION: MOLD
SAMPLE TYPE: GRAB **SAMPLE DATE/TIME:** 9/14/2011 @ 18:15

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	DATE ANALYZED	ANALYST
Wipe/Tape Direct ID/Fungi	See Attached			D1	9/19/2011	SUB

SanAir Technologies Laboratory

Analysis Report

prepared for

RI Analytical Laboratories, Inc.

Report Date: 9/20/2011
Project Name: 1109-17970
SanAir ID#: 11014635



804.897.1177

www.sanair.com



SanAir Technologies Laboratory, Inc.

1551 Oakbridge Drive, Suite B, Powhatan, VA 23139
804.897.1177 Toll Free: 888.895.1177 Fax: 804.897.0070
Web: <http://www.sanair.com> E-mail: iaq@sanair.com

RI Analytical Laboratories, Inc.
Data Reporting Department
41 Illinois Avenue
Warwick, RI 02888

September 20, 2011

SanAir ID # 11014635
Project Name: 1109-17970
Project Number:

Dear Alan Ford,

We at SanAir would like to thank you for the work you recently submitted. The 1 sample(s) were received on Monday, September 19, 2011 via FedEx. The final report(s) is enclosed for the following sample(s): 1109-17970-003.

These results only pertain to this job and should not be used in the interpretation of any other job. This report is only complete in its entirety. Refer to the listing below of the pages included in a complete final report.

Sincerely,

L. Claire Macdonald
Microbiology Laboratory Manager
SanAir Technologies Laboratory

Final Report Includes:
- Cover Letter
- Analysis Pages
- Disclaimers and Additional Information

sample conditions:
1 sample(s) in Good condition



SanAir Technologies Laboratory, Inc.

1551 Oakbridge Drive, Suite B, Powhatan, VA 23139
804.897.1177 Toll Free: 888.895.1177 Fax: 804.897.0070
Web: <http://www.sanair.com> E-mail: iaq@sanair.com

SanAir ID Number

11014635

FINAL REPORT

Name: RI Analytical Laboratories, Inc.
Address: Data Reporting Department
41 Illinois Avenue
Warwick, RI 02888

Project Number:
P.O. Number: 26785
Project Name: 1109-17970

Collected Date: 9/14/2011
Received Date: 9/19/2011 9:30:00 AM
Report Date: 9/20/2011 8:32:47 AM
Analyst: Smith, Holly

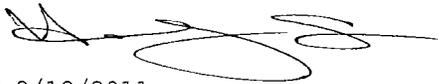
Direct Identification Analysis

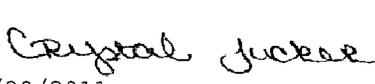
SanAir ID: 11014635-001 Sample #: 1109-17970-003 ID: Mold

D1-Direct ID Analysis on Bulk Material
Direct ID of Mold

Other	Estimated Amount
Mycelial Fragments	Heavy

Certification

Signature: 
Date: 9/19/2011

Reviewed: 
Date: 9/20/2011



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FINAL REPORT

Name: RI Analytical Laboratories, Inc.
Address: Data Reporting Department
41 Illinois Avenue
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Project Number:
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ORGANISM DESCRIPTIONS

The descriptions of the organisms presented are derived from various reference materials. The laboratory report is based on the data derived from the samples submitted and no interpretation of the data, as to potential, or actual, health effects resulting from exposure to the numbers of organisms found, can be made by laboratory personnel. Any interpretation of the potential health effects of the presence of this organism must be made by qualified professional personnel with first hand knowledge of the sample site, and the problems associated with that site.

MYCELIAL FRAGMENTS - A mycelium (plural = mycelia) is the "body" of a fungus. It is a collective term for hyphae (singular = hypha), which are the tubular units of the mycelium usually composed of chitin. The terms hyphae and mycelial fragments are used interchangeably. [This information was referenced from the mycology text "The Fifth Kingdom"]

Additional Information

Direct Identification Analyses

Direct identification analyses can be performed on tape, bulk, dust and swab samples. Direct identification reports indicate the evidence of possible active growth for each genus of fungi present. Whether or not these spores are viable or nonviable cannot be determined using this type of analysis; the sample would have to be cultured in order to determine viability. Keep in mind that this report can only be inferred for the exact spot in which the sample was taken. Light microscopy at a 400 to 1000x magnification is used for direct identification analysis.

It is encouraged to include a blank tape sample in order to check for contamination during sampling or shipment. Be sure to check the expiration date of any tape. It is recommended not to use expired tapes as the gel on the slide deteriorates thereby losing the tackiness necessary to retain fungi.

The genera *Aspergillus* and *Penicillium* are typically composed of small, round spores that are difficult to distinguish from each other without the presence of intact conidiophores (structures from which spores are formed and released). In this case, they are grouped into the category *Aspergillus / Penicillium*. Other fungi that produce spores of similar characteristics to *Aspergillus* and *Penicillium* may also be placed into this combined category in the absence of intact conidiophores (e.g. *Paecilomyces*, *Gliocladium*, *Trichoderma*, etc.).

D1 Analysis: Fungal Identification with "Evidence of Growth" Description

Results for the direct identification analysis describe the amount of evidence indicating possible fungal growth. The presence of associated mycelial fragments and conidiophores help the analyst to determine which description to use: rare, light, moderate, or heavy. Please refer to the following table for interpretation of direct identification results.

Estimated Amount	Indication of Growth	Evidence of Mycelial Fragments / Conidiophores
Rare	Not Likely	None
Light	Possible	Some, 10 to 25% of Tape Covered
Moderate	Probable	Abundant, 25 to 50% of Tape Covered
Heavy	Significant	Throughout, 50 to 100% of Tape Covered

NOTE: Swabs are not the best media to use for direct analyses as all organisms may not be recovered intact, if at all, when analyzed.

NOTE: Tapes should not be overloaded with debris as that may occlude fungi.

Disclaimer

*This report is the sole property of the client named on the SanAir Technologies Laboratory chain-of-custody. Neither results nor reports will be discussed with or released to any third party without our client's written permission. The information provided in this report applies only to the samples submitted and is relevant only for the date, time and exact location of sampling. **SanAir will not provide any opinion on the safety of a building as visual inspection and knowledge of water damage and past remediation, among other elements, is essential in this decision.** SanAir is accredited by AIHA in the EMLAP program for Direct Examination of bulk and surface samples.*

This report does not constitute endorsement by AIHA/NVLAP and/or any other U.S. governmental agencies; and may not be certified by every local, state and federal regulatory agencies.

PRIMARY DRINKING WATER REGULATIONS

INORGANIC COMPOUNDS		MCL* mg/l	INORGANIC COMPOUNDS		MCL mg/l
Arsenic		0.01	Selenium		0.05
Antimony		0.006	Thallium		0.002
Barium		2.0	Sulfate		250
Beryllium		0.004	Cyanide		0.2
Cadmium		0.005	Nitrate		10
Chromium (total)		0.1	Nitrite		1
Lead		0.015	Total Nitrate/Nitrite		10
Copper		1.3	Fluoride		4.0
Mercury		0.002	Turbidity		1.0
Nickel		0.1	Asbestos		7 MFL
RADIOCHEMISTRY (MCL)					
Gross Alpha Particle Activity		15 pCi/l	Radium 226		20 pCi/l
Beta Particle & Photon Activity		4 millirem/yr	Radium		20 pCi/l
Radon		300 pCi/l	Uranium		30 ug/l
MICROBIOLOGICAL (MCL)					
Total Coliform Bacteria		<1 MPN/100 ml or Absent			
VOLATILE ORGANIC COMPOUNDS (MCL)					
Compound	mg/l	Compound	mg/l		
Benzene	0.005	Trans-1,2-Dichloroethylene	0.1		
Carbon Tetrachloride	0.005	Cis-1,2-Dichloroethylene	0.07		
1,1-dichloroethylene	0.007	1,2-Dichloropropane	0.005		
1,2-dichloroethane	0.005	Ethylbenzene	0.7		
Dichlorobenzene	0.075	Styrene	0.1		
Trichloroethylene	0.005	Tetrachloroethylene	0.005		
1,1,1-Trichloroethane	0.2	Toluene	1		
Vinyl Chloride	0.002	Xylenes (total)	10.0		
Monochlorobenzene	0.01	Total Trihalomethanes**	0.08		
o-Dichlorobenzene	0.6	Dichloromethane	0.005		
m-Dichlorobenzene	0.6	1,1,2-Trichloroethane	0.005		
SYNTHETIC ORGANIC COMPOUNDS (MCL)					
Compound	mg/l	Compound	mg/l		
Alachlor	0.002	Ethylene dibromide (EDB)	0.00005		
Aldicarb	0.003	Heptachlor	0.0004		
Aldicarb sulfoxide	0.004	Heptachlor epoxide	0.0002		
Aldicarb sulfone	0.002	Lindane	0.0002		
Atrazine	0.003	Methoxychlor	0.04		
Carbofuran	0.04	Polychlorinated Biphenyls	0.0005		
Chlordane	0.002	Pentachlorophenol	0.001		
Toxaphene	0.003	Dibromochloropropane (DBCP)	0.0002		
2,4-D	0.07	2,4,5-TP (Silvex)	0.05		
Endrin	0.002				

SECONDARY DRINKING WATER GUIDELINES

PARAMETER	MCL	PARAMETER	MCL	PARAMETER	MCL
Aluminum	0.05-0.2 mg/l	Odor	3 threshold odor #	pH	6.5-8.5 SU
Chloride	250 mg/l	T. Dissolved Solids	500 mg/l	Sulfate	250 mg/l
Color	15 Pt-Co Units	Corrosivity	Non-corrosive	Zinc	5.0 mg/l
Copper	1.0 mg/l	Fluoride	2.0 mg/l	Manganese	0.05 mg/l
Silver	0.10 mg/l	Foaming Agent	0.5 mg/l	Iron	0.3 mg/l

*MCL = Maximum Contaminant Level

**The sum of the concentration of bromodichloromethane, bromoform, chloroform and dibromochloromethane (each has MCL of 0.1 mg/l)



RI ANALYTICAL
Specialists in Environmental Services

CHAIN OF CUSTODY RECORD

41 Illinois Avenue
Warwick, RI 02888-3007
800-937-2580 • Fax: 401-738-1970

131 Coolidge St., Suite 105
Hudson, MA 01749-1331
800-937-2580 • Fax: 978-568-0078

Date Collected	Time Collected	Field Sample Identification	Grab or Composite	# of Containers & Type ^c	Preservation Code ^p	Matrix Code ^m	Lead, Titanium														
9-14-11	6:00 PM	#1 VINYL FENCE POST 8" x 8"	G	1 NP	NP	WR	X														
"	6:10 PM	#2 VINYL FENCE POST 8" x 8"	G	1 NP	NP	WP	X														
"	6:20 PM	#3 GLASS TABLE TOP 12" x 12"	G	1 SW	SW																
"	6:22 PM	#4 GLASS TABLE TOP 12" x 12"	G	1 NP	NP																
"	6:15	MOLD	G	1 NP	NP		X														

Client Information		Project Information	
Company Name:	NANCY MILLS	Project Name:	
Address:	14 CATALPA WAY	P.O. Number:	
City / State / Zip:	CAVENTRY RI 02816	Report To:	Client
Telephone:	401-823-1076	Sampled By:	Client
Contact Person:		Quote No:	
		Phone:	
		Project Number:	
		Email report to these addresses:	Mills, Nancy @ Gmail.com

Relinquished By Signatures	Date	Time	Received By Signatures	Date	Time
<i>Nancy Mills</i>	9-15-11	1:50 PM	<i>M. Melan</i>	9/15/11	1:30

Project Comments

Circle if applicable: GW-1, GW-2, GW-3, S-1, S-2, S-3 MCP Data Enhancement QC Package? Yes No

12.00 per metal, Master Card! Rec 010 AP 01788P Ambient °C

2500 Digestion fee per sample (w per) Temp. Upon Receipt

5000 Mole # 5000 Dose Rec Total # 15300

Containers: P=Poly, G=Glass, AG=Amber Glass, V=Vial, St=Sterile Preservatives: A=Ascorbic Acid, NH4=NH4Cl, H=HCl, M=MeOH, N=HNO3, NP=None, S=H2SO4, SB=NaHSO4, SH=NaOH, T=Na2S2O3, Z=ZnOAc

Matrix Codes: GW=Groundwater, WW=Wastewater, DW=Drinking Water, S=Soil, SL=Sludge, A=Air, B=Bulk/Solid, WP=Wipe, O=Vial

Turn Around Time: Normal, EMAIL Report, 5 Business days. Possible surcharge, Rush - Date Due: / /

Lab Use Only: Sample Pick-Up Only, RIAL sampled; attach field hours, Shipped on ice NA, Workorder No: 109-17970

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