

ERMI ANALYTICAL TEST REPORT

Client:	Test Customer			
	808 Warsaw Ave			
	Blackwood	NJ		US
	555-555-9999	MoldyMoldMold	@gmail.com	
Sample by:	Test Customer			
	555-555-9999	MoldyMoldMold	@gmail.com	
Site Address:	808 Warsaw Ave			
	Blackwood	NJ		US
Project Name:	Mastertech Train	ing		
Sample Location:	1st FL. Ambient Area			
Sample Type:	Swiffer	Status:	Non Available	9
Client References:				
Client Comments:				
Date of Sampling: Date Sample/s Receiv Date of Report:	ved: Ja	cember 30, 2022 nuary 16, 2023 nuary 18, 2023		
Reference № 8675309-1	P.O. I	EB Code CI	ass №	Check №



11550 IH 10 W, Suite 105 San Antonio, Texas, 78230 Phone: 210 570 2095 Email: support@envirobiomics.com

ERMI RESULTS

Group 1; Water Damag	e Molds	
Species	SE/mg	
Aspergillus flavus/oryzae	4	A
Aspergillus fumigatus	20	Ac
Aspergillus niger	237 *	As
Aspergillus ochraceus	34 *	CI
Aspergillus penicillioides	519	CI
Aspergillus restrictus	22 *	CI
Aspergillus sclerotiorum	32 *	Ep
Aspergillus sydowii	5	M
Aspergillus unguis	106 *	Pe
Aspergillus versicolor	141 *	Rł
Aureobasidium pullulans	4,046 *	
Chaetomium globosum	61 *	
Cladosporium sphaerospermum	131 *	
Eurotium (Asp.) amstelodami	335	
Paecilomyces variotii	82 *	
Penicillium brevicompactum	109 *	
Penicillium corylophilum	304 * *	
Penicillium crustosum	11 *	
Penicillium purpurogenum	15 *	
Penicillium Spinulosum	5	
Penicillium variabile	406 * *	SE
Scopulariopsis brevicaulis/fusca	3	SE/
Scopulariopsis chartarum	9	Log
Stachybotrys chartarum	21 *	ND
Trichoderma viride	18	
Wallemia sebi	32	S
Sum of Logs	43.7	E

Group 2; Common Indoor Molds

Species	SE/mg	
Alternaria alternata	21	
Acremonium strictum	6	
Aspergillus ustus	84	*
Cladosporium cladosporioides1	1,675	
Cladosporium cladosporioides2	31	
Cladosporium herbarum	103	
Epicoccum nigrum	145	
Mucor amphibiorum	726	*
Penicillium chrysogenum	162	*
Rhizopus stolonifer	N D	
Sum of Logs	18.0	

ERMI Results= (G1-G2)			25.7	
Samp	le Size	5.1	mg	
SE/mg Logs N D	g = SE/milligrams of sample = Logarithms = None Detected			

= Spore Equivalents

(*) 10 fold higher than normal.

(**) 100 fold higher than normal.

(***) 1,000 fold higher than normal.



CONCLUSIONS

The table shows the Spore Equivalent per milligram (SE/mg) detected for each of the 36 environmental molds analyzed.

The stars symbols on table above highlights the main molds (DNAs) detected in this report, which were selected based on their value being higher than ten fold (*), 100 fold (**) and 1,000 folds (***) of the geometric mean of the corresponding mold on the 2007 USA survey of molds. [8]

ERMI score was developed by the US government for environmental mold safety (mold related asthma) and the score table is a general recommendation.

For patients with CIRS condition, in general, an ERMI score of 2 or less is considered safe. For more information please consult with your doctor and an Indoor environmental professional for the best advice on how to interpret the results.

	onmental Ro iness Index		25.7	Interpretation	Q4
Level	ERMI Values	Interpretatio	on	Comment	
Q 1	Less than - 4	Low Relative Moldiness Ind			
Q 2	-4 to < 0	Low - Mediur Relative		Further investigation may be needed to determine the sources of the mold if occupants have been reactive,	
Q 3	0 to < 5	Medium- Hig Relative	h sen	sensitized, genetically predisposed or otherwise immuno-compromised.	
Q 4	5 to < 20	High Relative Moldiness Ind	ex Source	Source and cause of mold should be determined and remediation is undertaken, reducing the ERMI to levels below Q2.	
4	> 20	Very High Relative	Ternedi		

The interpretation was made with reference to the following table:



According to Vesper [9] ERMI Scores have a Standard Deviation (S.D.) of +/-3 and should be assessed with this in mind.

Further assessment was performed by calculating the HERTSMI-2 score from this data, which was found to be:

Species	Spore E./m	g	Weighting
Aspergillus penicillioides	519		10
Aspergillus versicolor	141	*	6
Chaetomium globosum	61	*	6
Stachybotrys chartarum	21	*	4
Wallemia sebi	32		0
HERTSMI-2 Score =			26

The interpretation was made with reference to the following table:

Color-coded interpretation ¹⁰		
If 10 or below	In only 1.7% of cases, re-occupancy of building following mold remediation has led to relapse of CIRS-WDB symptoms	
If between 11 to 15	Borderline. Further remediation and re-assessment is indicated	
If greater than 15	Re-occupancy is ill-advised until further remediation and re-assessment are conclusive.	

A spore equivalent may reflect the presence of any other fungal structures (i.e.mycelia) containing the same number of target genes as a spore.

Approved by

Jianni Rossini

Operations Manager Gianni Rossini

11550 IH 10 W, Suite 105 San Antonio, Texas, 78230



As reported	Includes
Eurotium (Asp.) amstelodami	E. chevalieri, E. herbariorum, E. rubrum and E. repens.
Penicillium spinulosum	P. glabrum, P. lividum, P. pupurescens, and P. thomii.
Trichoderma viride	T. koningii and T. atroviride.
Aspergillus restrictus	A. caesillus and A. conicus.
Mucor amphibiorum	M. circinelloides, M. hiemalis, M. indicus, M. mucedo, M. racemosus, M. ramosissimus.
Rhizopus zygosporus	R. homothalicus, R. microsporus, R. oligosporus, R. oryzae.
Penicillium crustosum	P. camembertii, P. commune, P. echinulatum, P. solitum.
Aspergillus niger	Know called Aspergillus brasiliensis
Scopulariopsis brevicaulis/fusca	Has been renamed as species of Microascus ¹⁰
Wallemia sebi	W. mellicola, W. canadensis ¹¹

Genetically close-related species may be detected in the indicator assay.

The samples collected were referred under the chain of custody to our laboratory for analysis and reporting.

The samples received were labeled and their condition on receipt was intact.

This is an Analytical Report only and may not be in a format acceptable for litigation purposes because different Jurisdictions have differing requirements.

In accordance with our Terms & Conditions, this document and its contents are intended for the Addressee only and contains opinions held by the Author who prepared this report based on material available at the time of preparation and expressed for the purposes of consideration by the Addressee and is not for general publication without written consent.

Copyright of this report is retained by the Author and the Addressee is granted an exclusive license to its contents and uses only when payment for this report is received in full. The sample/s collected was referred under the chain of custody to our laboratory for analysis and reporting.

REFERENCES

"WHO Guidelines for Indoor Air Quality – Dampness and Mould", 2009 World Health Organization, Copenhagen, Denmark, ISBN 978 92 890 4168 3.

"Development of an Environmental Relative Mouldiness Index" Vesper S. et al, Occupational Env. Med. 2007,49:829-833.