



## PERFORMANCE IN THE FIELD

# CASE STUDY

April 2025  
Burlington, Connecticut



## OVERVIEW

Over time, multiple leaks and inadequate environmental controls led to elevated mold levels throughout the home, with the basement being the most affected area. Aspergillus / Penicillium levels in the basement exceeded 1 million.

The Healthy Homes suite of products, particularly the flagship product DE-Mold, swiftly and effectively enabled a total spore reduction of 99.8% in the basement. Ascospore and Cladosporium levels were reduced below those of the control sample. Stachybotrys was completely eliminated, and Aspergillus / Penicillium, which comprised the majority of the mold, was reduced by 99.9%.

## SOLUTIONS USED

**DE-MOLD** Probiotic biological fog

**BIO-CLEAN** Probiotic biological surface cleaner

**RE-HYDRO** Hydrogen Peroxide heavy duty surface cleaner

2 Day to complete work

3 Technicians performing work

3 Solutions used for remediation

## RESULTS (Basement)

Organism	Pre Counts	Post Counts	Reduction
Ascospores	1,997	563	71.5%
Aspergillus / Penicillium	1,078,272	922	99.9%
Cladosporium	461	51	88.9
Stachybotrys	461	None Detected	100.0%
Total Spore	1,082,470	1,843	99.8%



Property/Customer Name				Site Street Address				Site City				Site State				Site Zip			
								Burlington				CT				06013			
Company Email				Company Phone Number				Date Collected				Date Received							
inspections@sherwoodinspection.com; david@sherwoodinspection.com				860-646-9983				3/19/2025				03/20/2025							
Company Address				Company Name				Sample Collected by				Date Analyzed							
1071 Ellington Rd, South Windsor, CT 06074				Sherwood Inspection Services				Brad Peters				03/20/2025							
Newton ML Sample ID				Sample Name/Location				Volume (L)				Background				Analytical Sensitivity (Cts/M³)			
				Exterior				75				3				51			
Cassette Type				Sample Type				Air-O-Cell®				Spore Trap							
Organism				Counted				Cts/M³				% of Total							
Alternaria				Not Detected															
Ascospores				24				1,229				35.29%							
Aspergillus/Penicillium				10				512				14.71%							
Basidiospores				30				1,536				44.12%							
Bipolaris/Drechslera				Not Detected															
Chaetomium				Not Detected															
Cladosporium				2				102				2.94%							
Curvularia				Not Detected															
Epicoccum				Not Detected															
Fusarium				Not Detected															
Memnoniella				Not Detected															
Myxomycetes/Smuts				Not Detected															
Pithomyces				Not Detected															
Stachybotrys				Not Detected															
Stemphylium				Not Detected															
Torula				Not Detected															
Trichoderma				Not Detected															
Ulocladium				Not Detected															
Unspecified Spore				2				102				2.94%							
Total				68				3,482				100.00%							
Hyphal Fragment				Not Detected															
				25				1280											
Comments																			





Property/Customer Name			Site Street Address			Site City			Site State			Site Zip		
						Burlington			CT			06013		
Company Email			Company Phone Number			Date Collected			Date Received					
inspections@sherwoodinspection.com; david@sherwoodinspection.com			860-646-9983			3/19/2025			03/20/2025					
Company Address			Company Name			Sample Collected by			Date Analyzed					
1071 Ellington Rd, South Windsor, CT 06074			Sherwood Inspection Services			Brad Peters			03/20/2025					
Newton ML Sample ID														
Sample Name/Location			Exterior			Basement			HVAC					
Volume (L)			75			75			15					
Background			3			4			1					
Analytical Sensitivity (Cts/M³)			51			51			256					
Cassette Type			Air-O-Cell®			Air-O-Cell®			Air-O-Cell®					
Sample Type			Spore Trap			Spore Trap			Spore Trap					
Organism			Counted	Cts/M³	% of Total	Counted	Cts/M³	% of Total	Counted	Cts/M³	% of Total			
Alternaria			Not Detected			Not Detected			Not Detected					
Ascospores			24	1,229	85.29%	39	1,997	0.18%	1	256	25.00%			
Aspergillus/Penicillium			10	512	14.71%	21,060	1,078,272	99.61%	2	512	50.00%			
Basidiospores			30	1,536	44.12%	11	563	0.05%	1	256	25.00%			
Bipolaris/Drechslera			Not Detected			Not Detected			Not Detected					
Chaetomium			Not Detected			Not Detected			Not Detected					
Cladosporium			2	102	2.94%	9	461	0.04%	Not Detected					
Curvularia			Not Detected			2	102	0.01%	Not Detected					
Epicoccum			Not Detected			Not Detected			Not Detected					
Fusarium			Not Detected			Not Detected			Not Detected					
Memnoniella			Not Detected			Not Detected			Not Detected					
Myxomycetes/Smuts			Not Detected			9	461	0.04%	Not Detected					
Pithomyces			Not Detected			Not Detected			Not Detected					
Stachybotrys			Not Detected			9	461	0.04%	Not Detected					
Stemphylium			Not Detected			1	51	0.00%	Not Detected					
Torula			Not Detected			Not Detected			Not Detected					
Trichoderma			Not Detected			Not Detected			Not Detected					
Ulocladium			Not Detected			Not Detected			Not Detected					
Unspecified Spore			2	102	2.94%	2	102	0.01%	Not Detected					
Total			68	3,482	100.00%	21,142	1,082,470	100.00%	4	1,024	100.00%			
Hyphal Fragment			Not Detected		-	83	4250	-	Not Detected		-			
Comments														



Property/Customer Name			Site Street Address			Site City			Site State			Site Zip		
						Burlington			CT			06013		
Company Email			Company Phone Number			Date Collected			Date Received					
inspections@sherwoodinspection.com; david@sherwoodinspection.com			860-646-9983			4/2/2025			04/05/2025					
Company Address			Company Name			Sample Collected by			Date Analyzed					
1071 Ellington Rd, South Windsor, CT 06074			Sherwood Inspection Services			Brad Peters			04/05/2025					
Newton ML Sample ID														
Sample Name/Location			Exterior			Kitchen			Attic			Basement		
Volume (L)			75			75			75			75		
Background			2			3			3			3		
Analytical Sensitivity (Cts/M³)			51			51			51			51		
Cassette Type			Air-O-Cell®			Air-O-Cell®			Air-O-Cell®			Air-O-Cell®		
Sample Type			Spore Trap			Spore Trap			Spore Trap			Spore Trap		
Organism			Counted	Cts/M³	% of Total	Counted	Cts/M³	% of Total	Counted	Cts/M³	% of Total	Counted	Cts/M³	% of Total
Alternaria			Not Detected			Not Detected			Not Detected			Not Detected		
Ascospores			14	717	46.67%	8	410	50.00%	19	973	40.43%	11	563	30.56%
Aspergillus/Penicillium			2	102	6.67%	4	205	25.00%	19	973	40.43%	18	922	50.00%
Basidiospores			11	563	36.67%	1	51	6.25%	5	256	10.64%	3	154	8.33%
Bipolaris/Drechslera			Not Detected			Not Detected			Not Detected			Not Detected		
Chaetomium			Not Detected			Not Detected			Not Detected			Not Detected		
Cladosporium			2	102	6.67%	1	51	6.25%	1	51	2.13%	1	51	2.78%
Curvularia			Not Detected			Not Detected			Not Detected			Not Detected		
Epicoccum			Not Detected			Not Detected			Not Detected			Not Detected		
Fusarium			Not Detected			Not Detected			Not Detected			Not Detected		
Memnoniella			Not Detected			Not Detected			Not Detected			Not Detected		
Myxomycetes/Smuts			Not Detected			Not Detected			2	102	4.26%	2	102	5.56%
Pithomyces			Not Detected			Not Detected			Not Detected			Not Detected		
Stachybotrys			Not Detected			Not Detected			Not Detected			Not Detected		
Stemphylium			Not Detected			Not Detected			Not Detected			Not Detected		
Torula			Not Detected			Not Detected			Not Detected			Not Detected		
Trichoderma			Not Detected			Not Detected			Not Detected			Not Detected		
Ulocladium			Not Detected			Not Detected			Not Detected			Not Detected		
Unspecified Spore			1	51	3.33%	2	102	12.50%	1	51	2.13%	1	51	2.78%
Total			30	1,536	100.00%	16	819	100.00%	47	2,406	100.00%	36	1,843	100.00%
Hyphal Fragment			Not Detected		-	3	154	-	4	205	-	6	307	-
Comments														