

# EMSL Analytical, Inc.

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Client: H2H Assurance Services 123 Heron Dr Palm Coast, FL 32137	EMSL Order ID: 611800275 Date Received: 2/19/2018 Date Analyzed: 2/21/2018 Date Reported: 2/22/2018
Attention: Richard Van Dort Project: Sheriff's/OID-1623-Clearance 2	

## Rapid Detection of Common Molds by Quantitative PCR

EMSL Test: M233

Lab Sample Number	0275-1	0275-2	0275-3	-
Client Sample ID	#1	#2	#3	-
Sample Location	Room 129 Air Off	Room 129 Air On	IT Room Air On	-
Sample size	0.24m3 Air	0.24m3 Air	0.24m3 Air	-
EPA 36 Species Group -1	Spores E./ m3 Air	Spores E./ m3 Air	Spores E./ m3 Air	Spores E./ m3 Air
<i>Aspergillus flavus</i>	ND	ND	ND	-
<i>Aspergillus fumigatus</i>	ND	ND	39	-
<i>Aspergillus niger</i>	ND	ND	ND	-
<i>Aspergillus ochraceus</i>	ND	ND	ND	-
<i>Aspergillus penicillioides</i>	ND	ND	ND	-
<i>Aspergillus restrictus</i>	ND	ND	ND	-
<i>Aspergillus sclerotiorum</i>	ND	ND	ND	-
<i>Aspergillus sydowii</i>	ND	ND	ND	-
<i>Aspergillus unguis</i>	ND	7	ND	-
<i>Aspergillus versicolor</i>	ND	ND	ND	-
<i>Eurotium (A.) amstelodami</i>	ND	ND	ND	-
<i>Aureobasidium pullulans</i>	ND	ND	ND	-
<i>Chaetomium globosum</i>	ND	ND	ND	-
<i>Cladosporium sphaerospermum</i>	6	131	21	-
<i>Paecilomyces variotii</i>	ND	ND	ND	-
<i>Penicillium brevicompactum</i>	ND	ND	ND	-
<i>Penicillium corylophilum</i>	ND	ND	ND	-
<i>Penicillium crustosum (group2)</i>	ND	ND	ND	-
<i>Penicillium purpurogenum</i>	ND	ND	ND	-
<i>Penicillium spinulosum</i>	ND	ND	ND	-
<i>Penicillium variable</i>	ND	ND	ND	-
<i>Scopulariopsis brevicaulis</i>	ND	ND	ND	-
<i>Scopulariopsis chartarum</i>	ND	ND	ND	-
<i>Stachybotrys chartarum</i>	ND	ND	ND	-
<i>Trichoderma viride</i>	ND	ND	172	-
<i>Wallemia sebi</i>	ND	ND	ND	-
I-Total Spores Detected	6	138	232	

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Client Sample ID	#1	#2	#3	-
Sample Location	Room 129 Air Off	Room 129 Air On	IT Room Air On	-
Sample size	0.24m3 Air	0.24m3 Air	0.24m3 Air	-
EPA 36 Species Group -2	Spores E./ m3 Air	Spores E./ m3 Air	Spores E./ m3 Air	Spores E./ m3 Air
<i>Acremonium strictum</i>	ND	ND	ND	-
<i>Alternaria alternata</i>	ND	ND	ND	-
<i>Aspergillus ustus</i>	ND	ND	ND	-
<i>Cladosporium cladosporioides I</i>	12	89	21	-
<i>Cladosporium cladosporioides II</i>	ND	11	2	-
<i>Cladosporium herbarum</i>	ND	ND	ND	-
<i>Epicoccum nigrum</i>	ND	1	ND	-
<i>Mucor and Rhizopus group</i>	5	ND	ND	-
<i>Penicillium chrysogenum</i>	ND	ND	ND	-
<i>Rhizopus stolonifer</i>	ND	ND	ND	-
II-Total Spores Detected	17	102	23	

Notes: ND=None detected; the result is below the analytical detection limit or not present.

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**Sergey Balashov, Ph.D.**

PCR Laboratory Director