



hush.

Felt

Fungi Resistance

Quiet by Design

Overview

REPORT ISSUED TO
HUSH ACOUSTICS INC

Attention: This document serves as a summary of the original certificate. Please contact the sales team to request the original document.

Order Number: 552516516
PET felt samples received on 09/17/2025

Summary

EXPERIMENTAL SUMMARY

The testing procedure is based on ASTM C1338 method guidelines. Client provided Pet Felt sample materials to evaluate their fungal resistance properties. Testing was conducted in the EMSL Mississauga Microbiology Laboratory, commencing on 9/18/2025.

PROCEDURE

The test includes the following fungi: *Aspergillus brasiliensis* ATCC 16404, *Aspergillus flavus* ATCC 9643, *Aspergillus versicolor* ATCC 11730, *Chaetomium globosum* ATCC 6205 and *Talaromyces pinophilus* ATCC 11797. Pure cultures of above were grown on MEA (Malt Extract Agar) and incubated at $25 \pm 5^{\circ}\text{C}$ for 7-10 days or longer. After sufficient growth was achieved, spore suspension of each culture was prepared. Each individual spore suspension was adjusted to a concentration of $1.0 \times 10^6 \pm 200,000$ spores/mL. Equal volumes of each fungal spore suspension were blended to make a final mixed spore suspension. Triplicates of Pet Felt samples were prepared. Each of

these were placed into an individual sterile petri dishes. Initially prepared mixed spore suspension of test fungi was evenly inoculated onto the test pieces. A filter paper control was also placed on to an MEA plate and inoculated with the mixed spore suspension. Media (*Czapek and Sabaroud Dextrose agars*) viability controls were also inoculated. A sterile tongue depressor used as a comparator material was placed in a sterile petri dish and inoculated with the same suspension. All samples were placed in an incubator maintained at $30 \pm 2^{\circ}\text{C}$ and $85 \pm 4\%$ relative humidity for 28 days. Start date of incubation was 09/30/2025 for a period of 28 days for all test samples ending on 10/28/2025. All samples were examined under stereo microscope (magnification 40X).

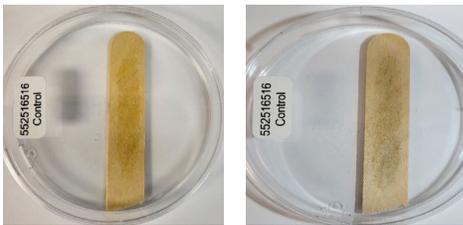
EXPERIMENTAL RESULTS

The viability control, filter paper control and comparator samples performed as expected. Results criteria used were as follows: Test samples with growth less than or equal to the comparator material were considered passed. Test samples with growth greater than the

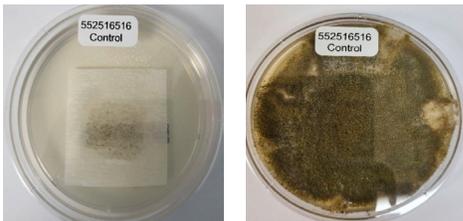
comparator are to be considered a failure. Results for samples and photos are as per table below.

Hush Felt sample triplicates	Pass - no growth
Tongue Depressor Comparator	Good growth
Filter Paper Control	Heavy growth
Viability Controls	Heavy growth

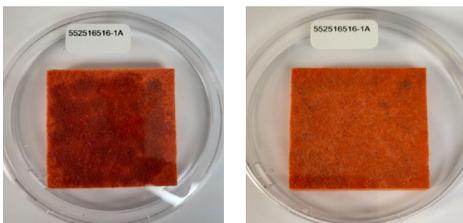
1. Comparator: Start of incubation (left), end of incubation (right)



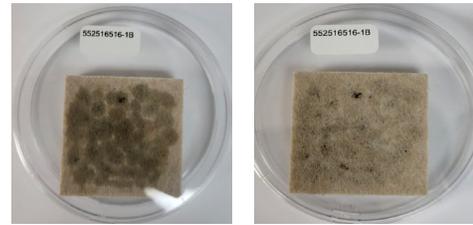
2. Filter Paper Control - start of incubation (left), end of incubation (right)



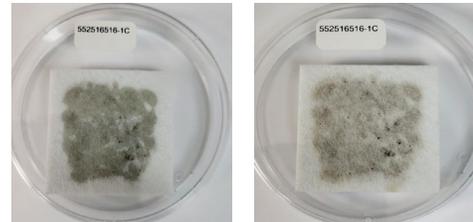
3. Pet Felt Sample A - start of incubation (left), end of incubation (right)



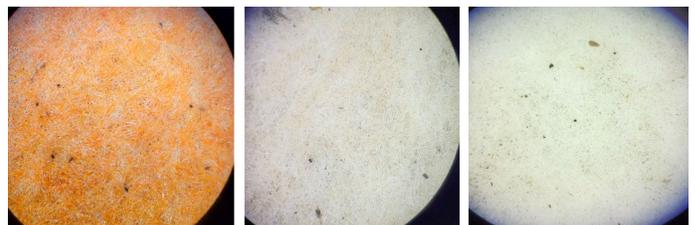
4. Pet Felt Sample B - start of incubation (left), end of incubation (right)



5. Pet Felt Sample C - start of incubation (left), end of incubation (right)



6. Pet Felt Samples - Stereomicroscopic Images at end of incubation



7. Stereoscope Images at end of incubation - Comparator (left), Viability Controls end of incubation (right)

