

The following samples were collected from Martin Hall rooms:

- 158
- 254
- 254-8

## LABORATORY REPORT

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**SUBJECT:** Particle Identification  
**SPECIMEN:** One Set of Three Tapelifts  
**REFERENCE:** 002 Martin Hall, MAR

### INTRODUCTION

One set of three tapelifts were received for analysis. The tapelifts were labeled as follows.

TAPELIFTS
MAR-254
MAR-254-8
MAR-158

The tapelifts were placed on clean microscope slides and immersed in acetone for about two hours and then removed. The slides with the tapelifts were rinsed with clean acetone as they were removed from the immersion tank. The tapelifts were allowed to dry for twenty minutes in a laminar flow Clean Work Station and then mounted using a synthetic resin (Shurmount). The completed mounts were analyzed using analytical light microscopy. The materials identified are listed in decreasing order of frequency, the most common materials first. The significance of a material's location in the list is not necessarily related to its health impact because some materials have a greater health impact at low levels than other materials do at high levels.

### RESULTS

The tapelift from MAR-254 contained pollen, skin flakes, paper fiber, natural minerals, phytoliths, clothing fiber, charred plant, cleaning residue, starch, plant debris, tire wear, insect debris, and a glass fiber. There was 1 short glass fiber per square inch on this tapelift. That is below what is considered a clearance level.

Tapelift MAR-254-8 contained natural minerals, phytoliths, paper fiber, spores, pollen, charred plant, clothing fiber, skin flakes, starch, tire wear, glass fiber, and insect debris. There were 9 short glass fibers per square inch, on this tapelift. That is below the level associated with health complaints but a normal clearance level is 2 per square inch.

The tapelift from MAR-158 contained pollen, natural minerals, starch, paper fiber, phytoliths, clothing fiber, charred plant, plant debris, tire wear, insect debris, and skin flakes. There were no glass

fibers per square inch on this tapelift. That is below what is considered a clearance level. Pollen dominated this tapelift. The primary pollens were two varieties of pine.

#### CONCLUSION

MAR-254-8 has 9 short glass fibers per sq. inch. That is below the level associate with health complaints but the normal clearance level is considered 2 short glass fibers per square inch.

Both MAR-254 and MAR 158 were below the clearance level for glass fibers.

Thank you for this opportunity to be of service. If I can provide any further assistance please contact me.

Signed: *Russ Crutcher*  
E. R. Crutcher, Analyst