

### **S3.3.3 ARE CURRENT FILTER TEST METHODS ADEQUATE FOR IAQ APPLICATIONS**

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The exposure of residential occupants to indoor air pollutants such as particulate matter (PM<sub>2.5</sub>), acrolein, formaldehyde and ozone that are associated with the most significant impacts on chronic health. There is growing scientific evidence that high efficiency filtration may be an effective strategy in reducing exposure to air pollutants and reducing health issues.

In order to select filters with proper performance, they must be tested in accordance to widely accepted and standardized test methods. While engineering understanding and test methods have advanced in recent decades, questions remain on whether current test methods are capable of adequately addressing the complexity of the indoor contaminants and their impact on filter performance.

This presentation will briefly review the current standards, their limitation, real life conditions and discuss modifications to the current test methods.