



Clean Air Filter // Quality Tested. Performance Proven.

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## Vapor Test Procedure (comparison)

### Vapor Test Simulants at 50:1

- |                                                     |                                                  |
|-----------------------------------------------------|--------------------------------------------------|
| a. Cyclohexane (EN15695-4)                          | b. Ethyl Acetate ETAC* (ASAE S525**)             |
| i. Low odor threshold                               | i. Highly odiferous, fruity, musty odor          |
| ii. Toxicity, LD50? TBV                             | ii. Toxicity, LD50? TBV                          |
| iii. Parent chemical,<br>Benzene (known carcinogen) | iii. Parent Chemicals,<br>Ethyl Alcohol, Vinegar |

\*Validated: Nelson, G.O. 1992 *Gas Mixtures, Preparation and Control*.  
Ann Arbor, MI: Lewis Publisher, Inc.

\*\*ANSI/ASAE S525-2 Pesticide Vapor Filters – Test Procedure and Performance Criteria,  
has been withdrawn and replaced by the S613 ASABE Standards

Cab Vapor Testing: CAL EPA or QUALEC (patented)

Vapor Test vs Particulate Test Comparison on the same cab

There is a 0.412% difference between testing with vapors (QUALEC) and particulates @ 0.3µm.  
Field test in France – Test Report #15 OCT 2015

Particle size ranges for aerosols, Reprinted courtesy of SRI International, formerly Stanford Research Institute, page 8 of *Aerosol Technology, Properties, Behavior, and Measurement of Airborne Particles* by William C. Hinds: Department of Environmental Health Sciences, Harvard University School of public Health.

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