

## Appendix F: VOC Emissions Testing Standards and Programs

**CDPH Standard Method:** The “Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers,” published by the California Department of Public Health (CDPH).<sup>1</sup>

Interior Products as per CDPH: These are products used in the interior of a building for which the CDPH Standard Method provides scenarios and hence can be tested and modeled for compliance with this Standard. Per Tables 4-3 and 4-5, these products include:

- flooring (all types)
- ceiling (all types)
- wall paint & wallcovering (also applies to coatings & sealants)
- thermal insulation – ceiling & wall
- wall base
- visual aid boards
- desk
- seating
- door & other millwork
- window treatments

CDPH Standard Method Version 1.2 includes a provision in Section 4.3.6 outlining modeling parameters for products not specifically addressed in data tables. Thus, some additional products may be able to be tested and modeled for compliance with this Standard. In addition, some certification programs such as UL GREENGUARD and SCS Global Indoor Advantage™ Gold include their own scenarios and certification protocols in order to test and provide certifications for products in product categories other than those defined by the CDPH Standard Method. These certifications also may be listed. In categories where there is not a formal scenario outlined in the current version of CDPH Standard Method for products not tested, “N/A” may be indicated, rather than “CDPH Standard Method – Not tested.”

The U.S. Green Building Council (USGBC) maintains a current vetted listing of certifications or programs compliant with the LEED v4 EQ Low-emitting materials credit<sup>2</sup>. This table lists in the “General Emissions Evaluation” column, programs that are known to adhere to the quality assurance and quality control standards incorporated in the CDPH Standard Method or AgBB<sup>3</sup>.

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<sup>1</sup> For more information: <http://www.cdph.ca.gov/programs/IAQ/Pages/VolatileOrganicCompounds.aspx>. For a direct link to the Version 1.2 standard: [https://www.cdph.ca.gov/Programs/CCDPHP/DEODC/EHLB/IAQ/CDPH%20Document%20Library/CDPH-IAQ\\_StandardMethod\\_V1\\_2\\_2017\\_ADA.pdf](https://www.cdph.ca.gov/Programs/CCDPHP/DEODC/EHLB/IAQ/CDPH%20Document%20Library/CDPH-IAQ_StandardMethod_V1_2_2017_ADA.pdf)

<sup>2</sup> <http://www.usgbc.org/resources/low-emitting-materials-third-party-certification-table>

<sup>3</sup> AgBB - Ausschuss zur gesundheitlichen Bewertung von Bauprodukten (Committee for Health-related Evaluation of Building Products)