



**BSR/ASHRAE Addendum q  
to ANSI/ASHRAE Standard 62.1-2022**

**Public Review Draft**

# **Proposed Addendum q to Standard 62.1-2022, Ventilation and Acceptable Indoor Air Quality**

**First Public Review (August 2024)  
(Draft shows Proposed Changes to Current Standard)**

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**(This foreword is not part of this standard. It is merely informative and does not contain requirements necessary for conformance to the standard. It has not been processed according to the ANSI requirements for a standard and may contain material that has not been subject to public review or a consensus process. Unresolved objectors on informative material are not offered the right to appeal at ASHRAE or ANSI.)**

## FOREWORD

*This proposed addendum updates Table 6-5 and 6-6 related to the IAQ Procedure with information obtained from users of testing procedures for Design Compound. One Design Compound is removed and one has an updated Design Limit.*

*1,1,1-trichloroethane is a banned compound and is difficult and expensive to source for testing. Supply is limited and committee consensus is that this compound is no longer found to level of concern in most buildings. This Design Compound is removed from Table 6-5 and 6-6.*

*The current Design Limit for Phenol is based on Cognizant Authority AgBB LCI 2015 Edition. The Committee for Health Related Evaluation of Building Products (Germany) which produced the AgBB listing changed the Design Limit for Phenol in the 2018 Edition from 10 µg/m<sup>3</sup> to 70 µg/m<sup>3</sup>. With recognition of AgBB as a Cognizant Authority for Phenol, Table 6-5 is updated with latest relevant changes made by AgBB.*

***[Note to Reviewers: This addendum makes proposed changes to the current standard. These changes are indicated in the text by underlining (for additions) and ~~striketrough~~ (for deletions) except where the reviewer instructions specifically describe some other means of showing the changes. Only these changes to the current standard are open for review and comment at this time. Additional material is provided for context only and is not open for comment except as it relates to the proposed changes.]***

## Addendum q to 62.1-2022

***Modify Table 6-5 and Table 6-6 as follows:***

**Table 6-5 Design Compounds, PM2.5, and Their Design Limits**

Compound or PM2.5	Cognizant Authority	Design Limit
Acetaldehyde	Cal EPA CREL (June 2016)	140 µg/m <sup>3</sup>
Acetone	AgBB LCI	1,200 µg/m <sup>3</sup>
Benzene	Cal EPA CREL (June 2016)	3 µg/m <sup>3</sup>
Dichloromethane	Cal EPA CREL (June 2016)	400 µg/m <sup>3</sup>
Formaldehyde	Cal EPA 8-hour CREL (2004)	33 µg/m <sup>3</sup>
Naphthalene	Cal EPA CREL (June 2016)	9 µg/m <sup>3</sup>
Phenol	AgBB LCI	<del>4070</del> 70 µg/m <sup>3</sup>
Tetrachloroethylene	Cal EPA CREL (June 2016)	35 µg/m <sup>3</sup>
Toluene	Cal EPA CREL (June 2016)	300 µg/m <sup>3</sup>
<del>1,1,1 trichloroethane</del>	<del>Cal EPA CREL (June 2016)</del>	<del>1000</del> µg/m <sup>3</sup>
Xylene, total	AgBB LCI	500 µg/m <sup>3</sup>
Carbon monoxide	U.S. EPA NAAQS	9 ppm

PM2.5	U.S. EPA NAAQS (annual mean)	12 µg/m <sup>3</sup>
Ozone	U.S. EPA NAAQS	70 ppb
Ammonia	Cal EPA CREL (June 2016)	200 µg/m <sup>3</sup>

**Table 6-6 Mixtures of Compounds**

<b>Upper Respiratory Tract Irritation</b>	<b>Eye Irritation</b>	<b>Central Nervous System</b>
Acetaldehyde	Acetaldehyde	Acetone
Acetone	Acetone	Dichloromethane
Xylene, total	Formaldehyde	Xylene, total
Ozone	Xylene, total	<del>1,1,1 trichloroethane</del>
	Ozone	Toluene

Source: ACGIH (2017) (See Informative Appendix P, “Informative References”).