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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460



OFFICE OF AIR AND
RADIATION

April 29, 2021

Dear ENERGY STAR® Room Air Cleaner Partner, Certification Body, or Recognized Laboratory,

The U.S. Environmental Protection Agency (EPA) has been made aware of a 2020 update to the ANSI/AHAM AC-1 test procedure for measuring the performance of Room Air Cleaners. As a result, EPA is updating the referenced test procedure, for use in measuring the cigarette smoke Clean Air Delivery Rate (CADR) and operating power to determine certification for ENERGY STAR Room Air Cleaners, to the updated 2020 version of the ANSI/AHAM AC-1 test method.

For the purposes of ENERGY STAR certification, room air cleaners should be tested using ANSI/AHAM AC-1-2020 moving forward. Currently certified products are not affected. This update will be reflected in Table 2 of the [specification](#) (as shown below).

5.1 Test Methods

5.1.1 Test methods identified in Table 2 shall be used to determine certification for ENERGY STAR.

Table 2: Test Methods for ENERGY STAR Certification	
ENERGY STAR Requirement	Test Method Reference
Cigarette Smoke CADR	ANSI/AHAM AC-1-2020 <i>Method of Measuring the Performance of Portable Household Electric Room Air Cleaners</i>
Measurement of Operating Power	UL 867 Ed. 5.0 <i>Electrostatic Air Cleaners</i>
Ozone Generation	UL 867 Ed. 5.0 <i>Electrostatic Air Cleaners</i>
Measured Partial on Mode Power ($P_{\text{Partial, On}}$)	IEC 62301 Ed. 2.0 <i>Household electrical appliances— Measurement of standby power</i>

Please contact Park.Ga-Young@epa.gov or (202) 564-1085, or Emmy Feldman, ICF, at Emmy.Feldman@icf.com or (202) 862-1145, with any questions or concerns about the specification. For any other questions pertaining to Room Air Cleaners, please contact roomaircleaners@energystar.gov.

Ga-Young Park
Product Manager for Appliances

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