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



OFFICE OF AIR AND  
RADIATION

October 1, 2024

Dear ENERGY STAR® Laboratory Grade Refrigerator and Freezer Partner or Other Interested Stakeholder:

The U.S. Environmental Protection Agency (EPA) is pleased to distribute the Final [Version 2.0 ENERGY STAR Laboratory Grade Refrigeration and Freezers specification](#). EPA would like to thank the many stakeholders who have invested time and effort to contribute feedback and data that has informed this product specification process. These Version 2.0 requirements will take effect on June 30, 2025. This letter provides highlights of the new requirements and outlines the transition process.

The Version 2.0 specification will recognize the top performing laboratory grade refrigerator and freezer products on the market. ENERGY STAR certified laboratory grade refrigerators and freezers will use 37% less energy than a standard product. If all laboratory grade refrigerators and freezers were ENERGY STAR certified, the cost savings would grow to over \$70 million each year and more than 1 billion pounds of greenhouse gas emissions would be prevented, equivalent to the emissions of over 95 thousand vehicles. EPA did not receive any comments in response to the final draft specification. The only update included in the final specification is to Section 3.3 which clarifies the refrigerant reporting requirement and aligns the format with other specifications across the program. This requirement was previously in place in Version 1.0/1.1.

#### Version 4.0 Transition Timeline and Next Steps

EPA shares partners' desire for a smooth transition from one ENERGY STAR specification to the next so that consumer expectations are met and ENERGY STAR labeled products fully meet the new requirements upon their effective date. With this in mind, EPA has established the following timeline:

- Effective immediately, manufacturers may elect to have their Certification Body (CB) certify eligible products to the Version 2.0 requirements.
- After February 14, 2025 CBs will be instructed to stop certifying new product submittals to Version 1.1. Note, however that existing certifications to Version 1.0/1.1 will remain valid for the purposes of ENERGY STAR certification until June 30, 2025.
- Any laboratory grade refrigerator or freezer manufactured as of June 30, 2025, must meet the Version 2.0 requirements to bear the ENERGY STAR mark. All certifications of products to the Version 1.0/1.1 specification will be invalid for the purposes of ENERGY STAR and CBs will only submit product models certified to Version 2.0 to EPA.

On behalf of EPA, I would like to thank all stakeholders who provided feedback during this [specification revision process](#) and I look forward to working with you as you certify and market your ENERGY STAR certified laboratory grade refrigerator and freezers. Please contact me at (202) 343-9153 or [Fogle.Ryan@epa.gov](mailto:Fogle.Ryan@epa.gov), or John Clinger at (215) 967-9407 with questions. For test method questions, please contact Bryan Berringer,

Department of Energy, at [Bryan.Berringer@ee.doe.gov](mailto:Bryan.Berringer@ee.doe.gov), or 202-586-0371.

Thank you for your continued support of the ENERGY STAR Program.

Sincerely,

A handwritten signature in blue ink, appearing to read "Ryan Fogle", is positioned above a thin horizontal line.

Ryan Fogle  
EPA Manager, ENERGY STAR for Medical Products

Enclosures:

[Final Version 2.0 Specification](#)

[Final Version 2.0 Data Package](#)

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