**NIST Handbook  
NIST HB 130-2024**

**Uniform Laws and Regulations in the Areas of Legal Metrology and Fuel Quality**

*as adopted by the   
108th National Conference on Weights and Measures*

John T. McGuire  
David A. Sefcik

Lisa Warfield  
Yvonne A. Branden  
Katrice A. Lippa

*Physical Measurement Laboratory  
Office of Weights and Measures*

This publication is available free of charge from:

<https://doi.org/10.6028/NIST.HB.130-2024-upd1>

February 2024

INCLUDES UPDATES AS OF 02-24-2024; SEE APPENDIX D

Supersedes NIST Handbook 130, December 2023 Edition



U.S. Department of Commerce

*Gina M. Raimondo, Secretary*

National Institute of Standards and Technology

*Laurie E. Locascio, NIST Director and Under Secretary of Commerce for Standards and Technology*

Certain commercial entities, equipment, or materials may be identified in this document to describe an experimental procedure or concept adequately. Such identification is not intended to imply recommendation or endorsement by the National Institute of Standards and Technology (NIST), nor is it intended to imply that the entities, materials, or equipment are necessarily the best available for the purpose.

This handbook promotes the primary use of the International System of Units (SI) by citing SI units before U.S. customary units where both units appear together, and by placing separate sections containing requirements for SI units before corresponding sections containing requirements for customary units. In some cases, however, trade practice is currently restricted to the use of U.S. customary units; therefore, some requirements in this handbook will continue to specify only U.S. customary units until the National Conference on Weights and Measures (NCWM) achieves a broad consensus on the permitted metric units.

Marijuana (also referred to as cannabis) remains a Schedule I substance under the Controlled Substances Act. As with all materials, the NIST Office of Weights and Measures (OWM) provides technical analysis and any relevant expertise to help ensure that the standards as developed through the NCWM process are technically sound. As such, NIST publishes the adopted model regulations for cannabis and cannabis-containing commodities by the NCWM in the NIST Handbook 130 as part of NIST’s statutory mission to promote uniformity in state laws, regulations, and testing procedures.[[1]](#footnote-2)

**NIST Technical Series Policies**

[Copyright, Fair Use, and Licensing Statements](https://doi.org/10.6028/NIST-TECHPUBS.CROSSMARK-POLICY)

[NIST Technical Series Publication Identifier Syntax](https://www.nist.gov/nist-research-library/nist-technical-series-publications-author-instructions#pubid)

**Publication History**

Approved by the NIST Editorial Review Board on 2024-02-25

Supersedes NIST Handbook 130 – 2024 (December 2023) https://doi.org/10.6028/NIST.HB.130-2024

Approved by the NIST Editorial Review Board on 2023-12-12  
Supersedes NIST Handbook 130 – 2023 (December 2022) https://doi.org/10.6028/NIST.HB.130-2023

**How to Cite this NIST Technical Series Publication**

McGuire J, Sefcik D., Warfield L,, Branden Y., and Lippa K, (2024) Uniform Laws and Regulations in the Areas of Legal Metrology and Fuel Quality. (National Institute of Standards and Technology, Gaithersburg, MD), NIST Handbook (HB) NIST HB 130-2024. https://doi.org/10.6028/NIST.HB.130-2024-upd1

**NIST Author ORCID iDs**  
J McGuire: 0009-0006-7396-155X   
D Sefcik: 0000-0001-7407-1950  
L Warfield: 0000-0003-0576-8572  
Y. Branden: 0009-0009-0008-1721  
K Lippa: 0000-0001-8651-8326

**Contact Information**

[**owm@nist.gov**](mailto:owm@nist.gov)

NIST Office of Weights and Measures

Attention: Publications Coordinator

100 Bureau Drive, MS 2600

Gaithersburg, MD 20899

1. NIST does not have a policy role related to the legalization of the production, sale, distribution, or use of cannabis (including hemp and marijuana). [↑](#footnote-ref-2)