NIST Handbook NIST HB 130-2025

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

as adopted by the 109th National Conference on Weights and Measures

John T. McGuire
David A. Sefcik
Loren Minnich
Isabel Chavez Baucom
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.130-2025

December 2024



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



Handbook 130 – 2025 December 2024

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 Council 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.*

NIST Technical Series Policies

<u>Copyright, Fair Use, and Licensing Statements</u> NIST Technical Series Publication Identifier Syntax

Publication History

Approved by the NIST Editorial Review Board on 2024-11-20 Supersedes NIST Handbook 130 – 2024 (February 2024) https://doi.org/10.6028/NIST.HB.130-2024-upd1

How to Cite this NIST Technical Series Publication

McGuire JT, Sefcik DA, Minnich LB, Baucom ICh, and Lippa KA, (2025) <u>Uniform Laws and Regulations in the Areas of Legal Metrology and Fuel Quality</u>. (National Institute of Standards and Technology, Gaithersburg, MD), NIST Handbook (HB) NIST HB 130-2025. https://doi.org/10.6028/NIST.HB.130-2025

NIST Author ORCID iDs

JT McGuire: 0009-0006-7396-155X DA Sefcik: 0000-0001-7407-1950 LB Minnich: 0009-0006-8082-2726 ICh Baucom: 0009-0004-8989-2021 KA Lippa: 0000-0001-8651-8326

Contact Information

owm@nist.gov

NIST Office of Weights and Measures Attention: Publications Coordinator 100 Bureau Drive, MS 2600 Gaithersburg, MD 20899

^{*} NIST does not have a policy role related to the legalization of the production, sale, distribution, or use of cannabis (including hemp and marijuana).