UNITED STATES DEPARTMENT OF COMMERCE
National Institute of Standards and Technology
Gaithersburg, Maryland 20899-0001

DATE: 23 February 2021

Product Identifier

SRM Number: 1359b
SRM Name: Coating Thickness Standard Set (Nonmagnetic Coating on Steel)
Nominal Coating Thickness: 48 µm, 140 µm, 505 µm, 800 µm

Under the U.S. Department of Labor, Occupational Safety and Health Administration (OSHA) 29 CFR 1910.1200, this Standard Reference Material (SRM) is NOT classified as a physical hazard or a health hazard, a simple asphyxiant, combustible dust, pyrophoric gas, or hazard not otherwise classified. There are no hazard pictograms, hazard statements or signal word associated with it. Safety Data Sheet information is not required. This document may be used in conjunction with your hazard communication program.

Exemption: 1910.1200 (c). This SRM is an Article, as the word is defined by OSHA, where *Article* means a manufactured item other than a fluid or particle: (i) which is formed to a specific shape or design during manufacture; (ii) which has end use function(s) dependent in whole or in part upon its shape or design during end use; and (iii) which under normal conditions of use does not release more than very small quantities, e.g., minute or trace amounts of a hazardous chemical (as determined under paragraph (d) of 1910.1200), and does not pose a physical hazard or health risk to employees.

Description: This SRM is designed for calibrating coating thickness gauges that employ magnetic principles. These gauges are used to measure the thickness of nonmagnetic coatings on steel including paint and other organic coatings, as well as nonmagnetic metallic coatings. A unit of SRM 1359b consists of a preconfigured set of five 45 mm × 45 mm coupons: a bare substrate, and four coupons with metallic coatings certified for total coating thickness (nominal coating thicknesses of 48 µm, 140 µm, 505 µm, and 800 µm). Each coupon consists of an AISI 1010 cold-rolled sheet-steel substrate with the coated coupons possessing an additional uniform coating of copper that is overplated with a thin protective layer of chromium.

Disposal: SRM 1359b components should be disposed of in accordance with local, state, and federal regulations.

Transport Information: This material is not regulated by the U.S. Department of Transportation (DOT) and/or International Air Transport Association (IATA).

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Users of this SRM should ensure that this document and the corresponding Certificate in their possession are current. This can be accomplished by contacting the SRM Program: telephone (301) 975-2200; e-mail srmmsds@nist.gov; or via the Internet at https://www.nist.gov/srm.