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

DATE: 27 June 2023

Product Identifier

SRM Number: 1929
SRM Name: Infrared Specular High Reflectance Standard
(Nominal Diameter 25 mm)

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 intended primarily for calibrating the reflectance scales of specular reflectometers in the infrared (IR) spectral region from 1.0 μm to 18.0 μm (555 cm^{-1} to 10,000 cm^{-1}). A unit of SRM 1929 consists of a specular finish gold plated copper disk, approximately 3.0 mm thick and 25.3 mm in diameter. SRM 1929 is shipped in an anodized aluminum container with protective inserts constructed in such a way as not to impinge upon the front surface of the mirror. The SRM is placed with its front surface face down into the bottom half of the container.

Disposal: SRM 1929 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).

Disclaimer: The NIST information in this document is specific to the NIST product and is believed to be correct, based upon our current knowledge. This document may not necessarily be all inclusive and should be used only as a guide. NIST does not guarantee the accuracy or completeness of this information. The only official source for specific values and uncertainties is the certificate or report.

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.