



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

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**Product Identifier**

**SRM Number:** 2082

**SRM Name:** Pathlength Absorbance Standards for Microliter Volume Spectrophotometers

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.

**Description:** This Standard Reference Material (SRM) is a certified absorbance standard for the determination of pathlengths on microliter volume spectrophotometers and fixed pathlength cuvettes. A unit of SRM 2082 consists of three 2 mL ampoules, one ampoule each of a blank buffer solution (10 mM 2-amino-2-hydroxymethyl-propane-1,3 diol (TRIS) buffer, pH 8.0); tryptophan (1.4 mM) in TRIS buffer (component A); and uracil (1.0 mM) in TRIS buffer (component B). Each ampoule contains approximately 1.8 mL of solution.

**Disposal:** SRM 2082 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:** This document was prepared carefully, using current references. Users of this SRM should ensure that this document and the corresponding Certificate of Analysis in their possession are current. This can be accomplished by contacting the SRM Program: telephone (301) 975-2200; fax (301) 948-3730; e-mail [srmmsds@nist.gov](mailto:srmmsds@nist.gov); or via the Internet at <http://www.nist.gov/srm>.