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Find the *NIST SRM 2517a* at our website: *Click HERE*

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March 18, 2009

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SRM/RM Number: Go

Keywords: Go

Browse the ORS

ORS Home
Ordering Information
Shipping Information
Frequently Asked Questions
Price List
Certificates and MSDS
Product Returns
Contact SRM
SRM Home
Archived Certificates

Comments and Help

Website Comments
Technical Inquiries

Data and Information Files

SRM 2517a - High Resolution Wavelength Calibration Reference for 1510–1540 nm Acetylene 12C2H2

These files contain normalized transmittance data of acetylene in the 1510-1545 nm wavelength region. The spectrum was obtained at NIST by scanning a narrowband tunable diode laser and measuring the power transmitted through a 5 cm long cell filled with acetylene $^{12}C_2H_2$ to a pressure of 6.7 kPa (50 Torr). The wavelength of each transmittance data point was measured using a wavelength meter with an uncertainty of 0.2 pm. These data can be downloaded in either ASCII format (tab-delimited) or Microsoft Excel (version 97) format. Each file contains 14991 transmittance values and the corresponding wavelength values.

- SRM2517a.xls is a Microsoft Excel (version 97) file
- SRM2517a.txt is an ASCII data file (tab-delimited)

Return to Detail Page

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NIST is an agency of the U.S. Department of Commerce.

Date created: 3/10/2002
Last updated: 7/27/2006

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