



Certificate of Calibration

Spectrometer Wavelength Calibration Certification

Ocean Optics

830 Douglas Ave, Dunedin, FL 34698 USA

The wavelength calibration of this spectrometer was performed using atomic emission lines of natural abundance in mercury and argon. These atomic emission lines are determined by quantum mechanics and are fixed as a function of time, and thus do not require NIST-certification.

Several of these atomic emission lines were identified as a function of spectrometer pixel number. A third-order polynomial fit was then calculated to relate spectrometer pixel number to wavelength, resulting in the wavelength calibration of the spectrometer. The atomic emission lines may be verified at the NIST website:

http://physics.nist.gov/cgi-bin/AtData/lines_form

Model Number:	HR2000+
Serial Number:	HR+C0091
Date Calibrated:	08/14/2013
Customer:	Sample Name Company

Attached data is:

As Found

As Left

In Tolerance

In Tolerance

Out of Tolerance

Out of Tolerance

Quality Assurance: _____