

## Biospherical Instruments Inc.

## CALIBRATION CERTIFICATE

Calibration Date	1/10/2005
Model Number	QSR-2200
Serial Number	20146
Operator	TPC

Standard Lamp 99134(12/26/03)

Probe Excitation Voltage Range: 6 to 18 VDC(+)

Output Polarity: POSITIVE

Probe Conditions at Calibration(in air):

Calibration Voltage: 6 VDC(+)
Probe Current: 3.6 mA

Probe Output Voltage:

Probe Illuminated 87.9 mV
Probe Dark 1.7 mV
Probe Net Response 86.2 mV

Corrected Lamp Output:

Output In Air (same condition as calibration):

8.82E+15 quanta/cm²sec 0.01465 uE/cm²sec

Calibration Factor:

(To calculate irradiance, divide the net voltage reading in Volts by this value.)

Dry: 9.77E-18 V/(quanta/cm²sec) 5.88E+00 V/(uE/cm²sec)

## Notes:

- 1. Annual calibration is recommended.
- 2. Calibration is performed using a Standard of Spectral Irradiance traceable to the National Institute of Standards and Technology (NIST).
- 3. The collector should be cleaned frequently with alcohol.
- 4. Calibration was performed with customer cable, when available.