

Biospherical Instruments Inc.

CALIBRATION CERTIFICATE

Calibration Date 6/18/2009
Model Number QSR2200
Serial Number 20238
Operator TPC
Standard Lamp GS-1019(8/28/08)
Probe Excitation Voltage Range: 6 to 18 VDC(+)
Output Polarity: Positive

Probe Conditions at Calibration(in air):

Calibration Voltage: 6 VDC(+)
Probe Current: 4.0 mA

Probe Output Voltage:

Probe Illuminated 90.7 mV
Probe Dark 1.2 mV
Probe Net Response 89.4 mV
RG780 2.0 mV

Corrected Lamp Output:

Output In Air (same condition as calibration):

9.088E+15 quanta/cm²sec
0.01509 uE/cm²sec

Calibration Scale Factor:

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

Dry: 9.8391E-18 V/(quanta/cm²sec)
5.9251E+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.