

Biospherical Instruments Inc.

CALIBRATION CERTIFICATE

Calibration Date 07/03/13
Model Number QSP200PD
Serial Number 4401
Operator TPC
Standard Lamp V-032 (3/7/12)

Probe Output Current:

Probe Illuminated	<u>96.63</u>	nA
Probe Dark	<u>-0.01</u>	nA
Probe Net Response	<u>96.64</u>	nA
RG780 Filter	<u>0.35</u>	nA

Corrected Lamp Output:

Output In Air (same condition as calibration):
9.264E+15 quanta/cm²sec
Output Corrected for Immersion in Water:
1.636E+16 quanta/cm²sec

Calibration Scale Factor:

(To calculate irradiance multiply these numbers by the net current reading in nanoAmper)

Dry: 9.587E+13 (quanta/cm²sec)/nA
Wet: 1.693E+14 (quanta/cm²sec)/nA

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.