Biospherical Instruments Inc.

CALIBRATION CERTIFICATE

Calibration Date	4/14/2008	_			
Model Number	QSR-2240A	with top on			
Serial Number	16500	_			
Operator	TPC	_			
Standard Lamp	91537(10/25/200	<u>6</u>)			
Probe Excitation Voltage Range:		6	to_	18	_VDC(+)
Output Polarity:	Positive	_			
Probe Conditions at Calibration(in air):					
Calibration Voltage:		6	\	/DC(+)	
Probe Current:		3.9	r	mA	
Probe Output Voltage:					
Probe Illuminated Probe Dark Probe Net Response RG780		90.6 2.0 88.7 2.6	r r	mV mV mV	
Corrected Lamp Outpu	<u>ut:</u>				
Output In Air (same condition as calibration):					
	8.83E+15				
0.01467 uE/cm ² sec					

Calibration Scale Factor:

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

Dry: 1.0039E-17 V/(quanta/cm²sec) 6.0452E+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.