PO Box 518 620 Applegate St. Philomath, OR 97370

Dark Counts

Resolution

Scale Factor (SF)

Maximum Output



(541) 929-5650 Fax (541) 929-5277 www.wetlabs.com

ECO Phycoerythrin Fluorometer Characterization Sheet

Date: 7/2/2019 S/N: BBFL2SSC-5745

Phycoerythrin concentration expressed in ppb can be derived using the equation:

Phycoerythrin (ppb) = Scale Factor * (Output - Dark Counts)

Digital 50 counts

0.0555 ppb/count 4130 counts

1.0 counts

Ambient temperature during characterization 22.0 °C

Dark Counts: Signal output of the meter in clean water with black tape over detector.

SF: Determined using the following equation: $SF = x \div (output - dark counts)$, where x is the concentration of the solution used during instrument characterization. SF is used to derive instrument output concentration from the raw signal output of the fluo

Maximum Output: Maximum signal output the fluorometer is capable of.

Resolution: Standard deviation of 1 minute of collected data.

BBFL2SSC-5745.xls Revision S 10/4/07