



CERTIFICATE OF ANALYSIS

PRODUCT: PHYCOPRO™ CROSS-LINKED ALLOPHYCOCYANIN

PRODUCT CODE: PB25

LOT NUMBER: 275 183

FORMULATION: Protein suspension in 60% ammonium sulfate, 0.1 M sodium phosphate (pH 7.0)

STORAGE: Store at 2 - 8°C in the dark. DO NOT FREEZE.

Concentration: 11.6 mg/ml (spec ≥ 10.0)
(extinction coefficient, $E_{650}^{1\%} = 73$)

Cross-link Ratio¹: 1.41 (spec ≥ 1.00)

Absorbance/Fluorescence Properties:

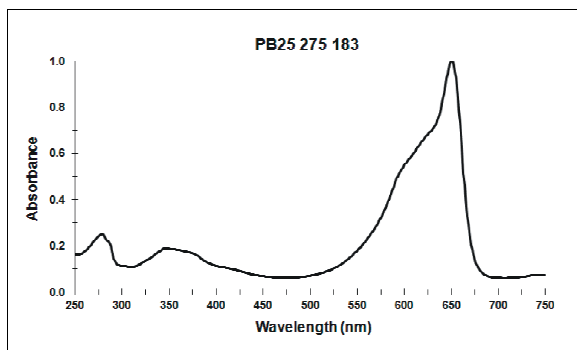
Absorbance $\lambda_{\text{Max}} = 651 \text{ nm}$

Excitation $\lambda_{\text{Max}} = 648 \text{ nm}$

Emission $\lambda_{\text{Max}} = 658 \text{ nm}$

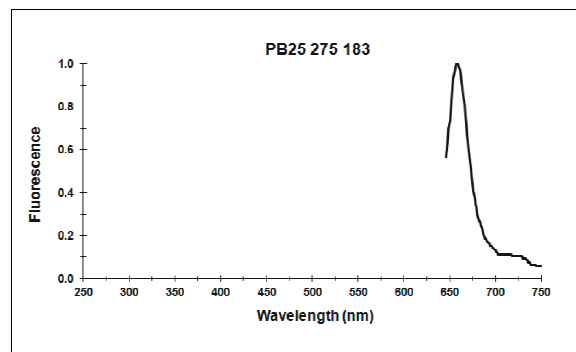
$A_{650}/A_{280} = 4.98$ (spec ≥ 4.60)
 $A_{650}/A_{620} = 1.57$ (spec ≥ 1.50)

Absorbance:



Fluorescence Emission Spectrum

(arbitrary units; excitation at 645 nm):



Made from ProZyme GT5™ Allophycocyanin
(*Spirulina platensis*)

Authorized Signature

¹The cross-link ratio is the ratio of A_{650}/A_{620} in the presence of 1M sodium perchlorate in 25 mM Tris-HCl (pH 7.7). For APC that has not been cross-linked, this ratio is about 0.3.