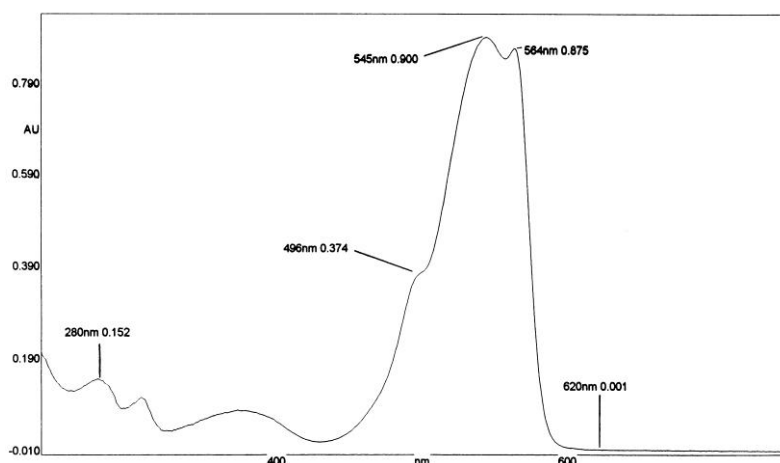


**B - PHYCOERYTHRIN from *Porphyridium cruentum***  
**Data sheet Lot# PBT-BPE/001**

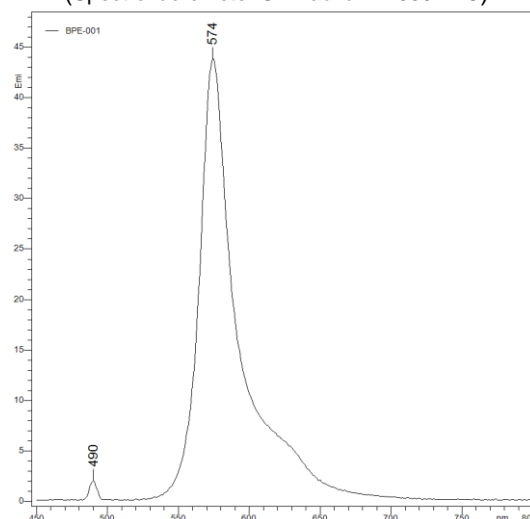
Molecular weight	240 kDa
Subunit structure	( $\alpha\beta$ ) <sub>6</sub> $\gamma$
Purity	Ratio A <sub>545</sub> /A <sub>280</sub> greater than 5.5
Absorption maxima	545 nm $\pm$ 2nm
Emission maxima	575 nm $\pm$ 2nm
Absorbance	A <sup>1%</sup> <sub>545</sub> = 100.4
Concentration	19.55 mg.ml <sup>-1</sup>
Form	Supplied in 100 mM sodium phosphate buffer pH 7 with 60 % ammonium sulfate. 0.02 % sodium azide as anti-microbial
Storage	Store at 4°C, away from light. Do not freeze.
Reconstitution	Spin down. Redissolve precipitate in 100 mM sodium phosphate buffer pH 7. Dialyze before use with at least two changes of buffer.
Shelf life	One year under proper storage conditions.

**ABSORBANCE SPECTRUM**



**EMISSION SPECTRUM**

Excitation at 488 nm. Arbitrary units.  
(Spectrofluorometer Shimadzu RF-5301 PC)



**ABSORBANCE RATIO**

	Specification	Results
A <sub>620</sub> /A <sub>545</sub>	<0.01	0.001
A <sub>545</sub> /A <sub>280</sub>	>5.5	5.92
A <sub>565</sub> /A <sub>496</sub>	<2.7	2.34