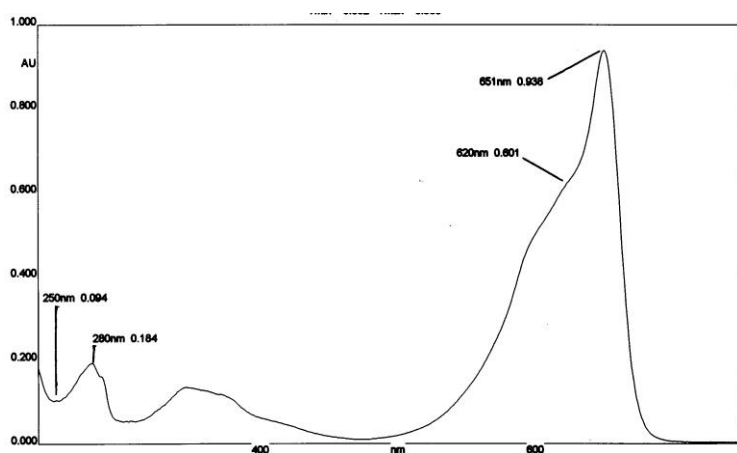


**Crosslinked ALLO - PHYCOCYANIN from *Spirulina sp.***  
**Data sheet PBT-APCXL/002**

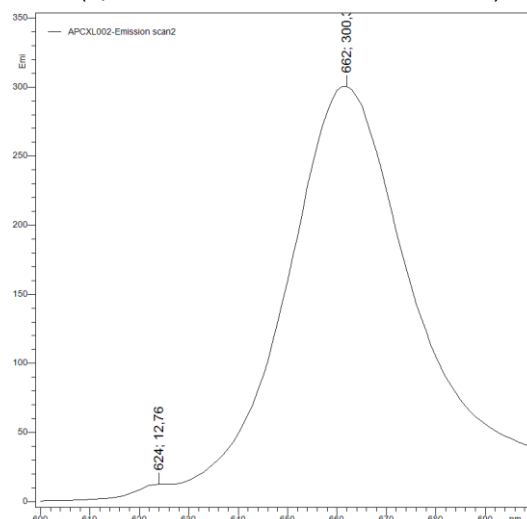
Molecular weight	104 kDa
Subunit structure	( $\alpha\beta$ ) <sub>3</sub>
Purity	Ratio $A_{650}/A_{620}$ greater than 1.45 Ratio $A_{650}/A_{280}$ greater than 4.5
Absorption maxima	650 nm $\pm$ 3nm
Emission maxima	661 nm $\pm$ 3nm
Absorbance	$A^{1\%}_{651} = 70.3$
Form	Supplied in 100 mM sodium phosphate 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 620nm, arbitrary units)  
(Spectrofluorometer Shimadzu RF-5301 PC)



**ABSORBANCE RATIO**

	Specification	Result
$A_{650}/A_{620}$	>1.45	1.56
$A_{650}/A_{280}$	>4.5	5.10
$A_{280}/A_{250}$	>1.5	1.95