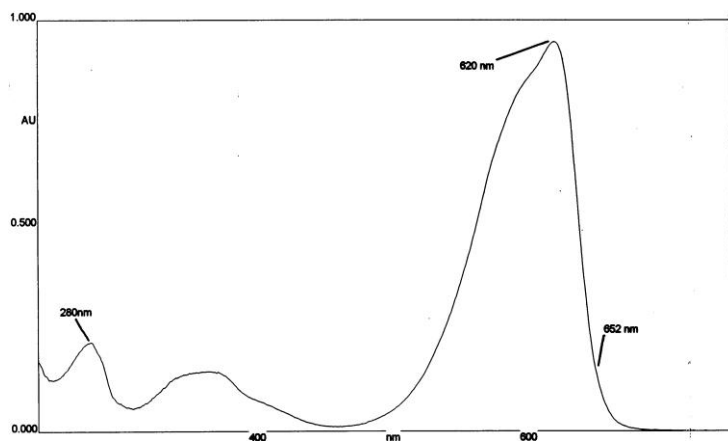


C - PHYCOCYANIN from *Spirulina sp.*
Data Sheet Lot# PBT-CPC/001

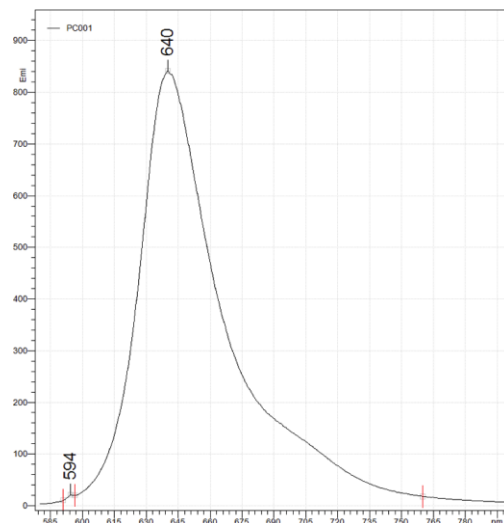
Molecular weight	232 kDa
Subunit structure	($\alpha\beta$) ₆
Purity	Ratio A ₆₂₀ /A ₂₈₀ greater than 4.0
Absorption maxima	620 nm \pm 3nm
Emission maxima	640 nm \pm 3nm
Absorbance	A ^{1%} ₆₂₀ = 73
Form	Supplied in 100 mM sodium phosphate buffer pH 7 with 60 % ammonium sulfate. 0.02 % sodium azide as anti-microbial.
Concentration:	16.6 mg.ml ⁻¹
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 594 nm. Arbitrary units.
(Spectrofluorometer Shimadzu RF-5301 PC)



ABSORBANCE RATIO

	Specification	Result
A ₆₅₂ /A ₆₂₀	<0.3	0.11
A ₆₂₀ /A ₂₈₀	>4	4.38