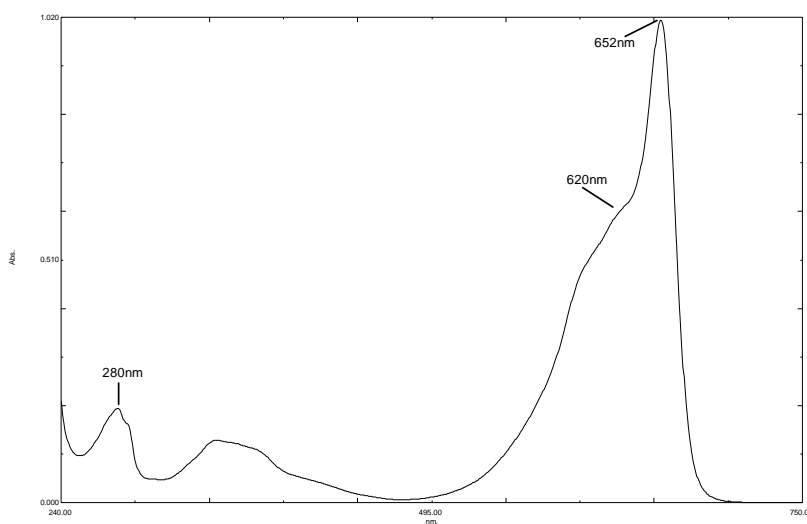


ALLO - PHYCOCYANIN from *Spirulina sp.*
Data Sheet Lot# PBT-APC/012

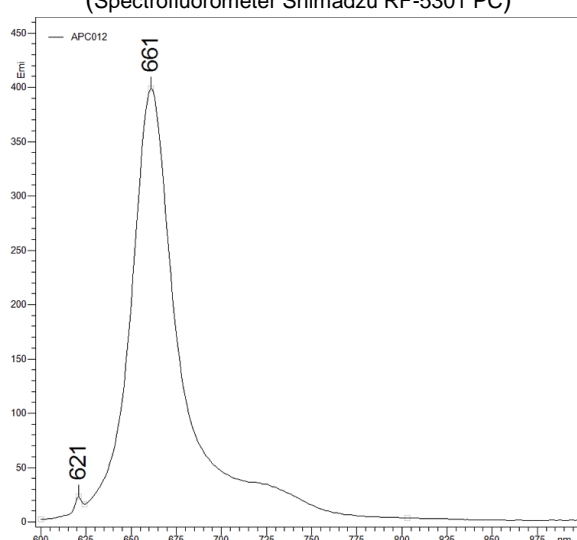
| | |
|-------------------|---|
| Molecular weight | 104 kDa |
| Subunit structure | ($\alpha\beta$) ₃ |
| Purity | Ratio A ₆₅₀ /A ₆₂₀ greater than 1.55 |
| Absorption maxima | 652 nm \pm 3nm |
| Emission maxima | 661 nm \pm 3nm |
| Absorbance | A ^{1%} ₆₅₂ = 70.3 |
| Form | Supplied in 100 mM sodium phosphate buffer pH 7 with 60 % ammonium sulfate. 0.02 % sodium azide as anti-microbial. |
| Concentration: | 12,04 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 620 nm. Arbitrary units.
(Spectrofluorometer Shimadzu RF-5301 PC)



ABSORBANCE RATIO

| | Specification | Results |
|------------------------------------|---------------|---------|
| A ₆₅₂ /A ₆₂₀ | >1.55 | 1.70 |
| A ₆₅₂ /A ₂₈₀ | >4.5 | 5.16 |