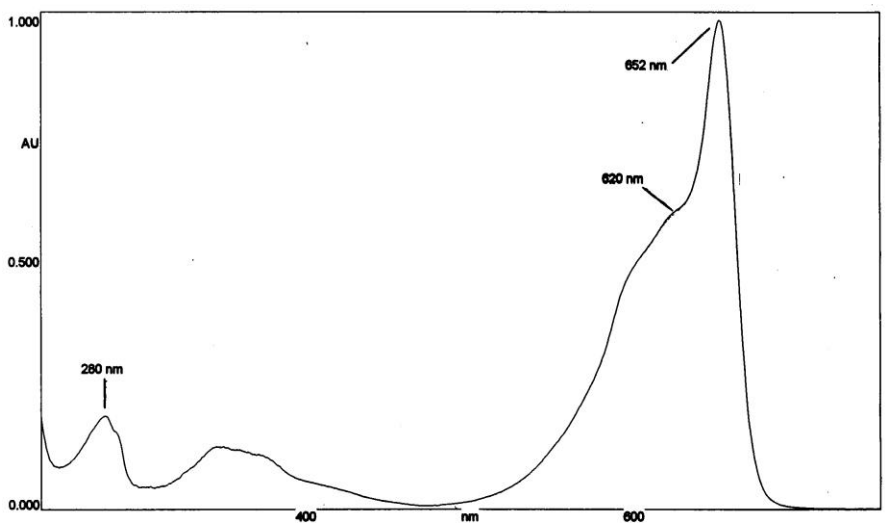
ORIGIN : FRANCE

Lyophilized ALLO - PHYCOCYANIN from *Spirulina sp.*
Data Sheet Lot# PBT-APCLyo/001

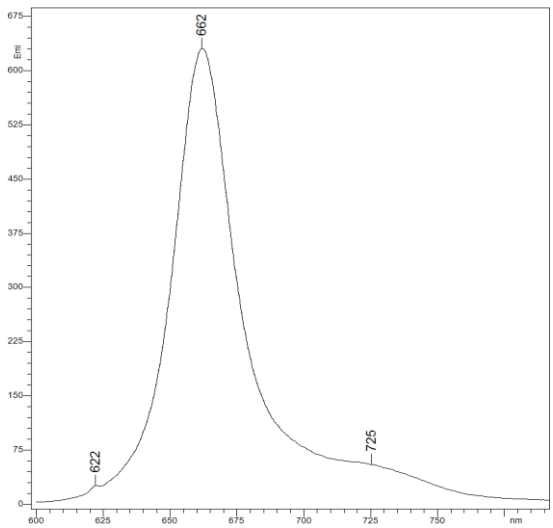
Molecular weight	104 kDa
Subunit structure	$(\alpha\beta)_3$
Purity	Ratio A_{650}/A_{620} greater than 1.55
Absorption maxima	652 nm ± 3nm
Emission maxima	661 nm ±3nm
Absorbance	$A^{1\%}_{652} = 70.3$
APC concentration in powder	**53% (w/w)**
Form	Lyophilized powder from APC solution in phosphate buffer with sugar as additive. **No ammonium sulfate is present in the product.**
Storage	Store at 4°C in dessicator, in dark. Do not freeze.
Reconstitution	Redissolve the powder in sodium phosphate buffer pH7 or any other buffer and adjust concentration using extinction coefficient.
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	Result
A_{652}/A_{620}	>1.55	1.69
A_{652}/A_{280}	>4.5	5.27

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