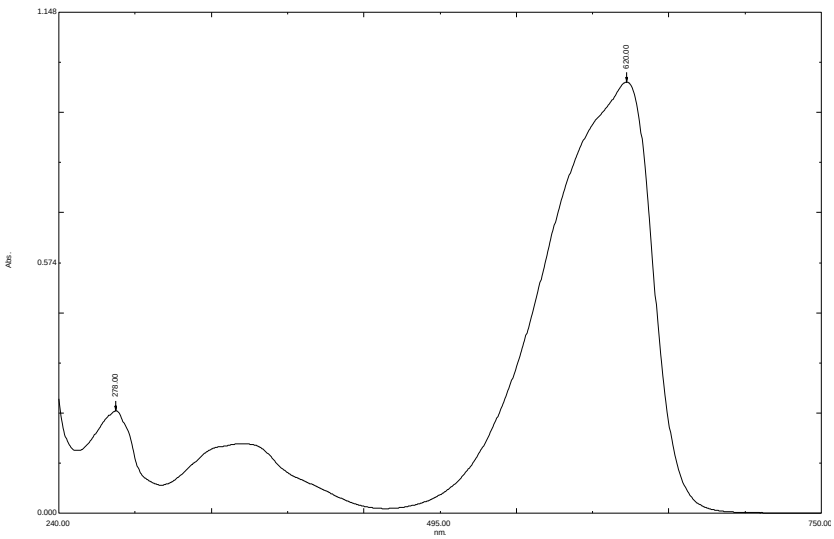
ORIGIN : FRANCE

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

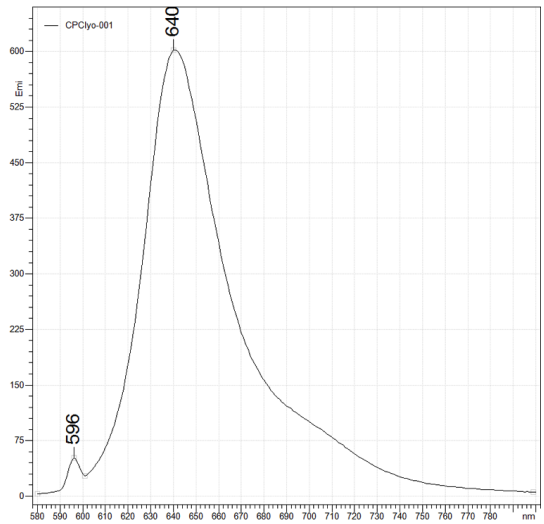
Molecular weight	232 kDa
Subunit structure	$(\alpha\beta)_6$
Purity	Ratio A_{650}/A_{620} greater than 4.0
Absorption maxima	620 nm ± 3nm
Emission maxima	640 nm ±3nm
Absorbance	$A^{1\%}_{652} = 73$
CPC concentration in powder	**50.9% (w/w)**
Form	Lyophilized powder from CPC solution in phosphate buffer 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 594 nm. Arbitrary units.
(Spectrofluorometer Shimadzu RF-5301 PC)



ABSORBANCE RATIO

	Specification	Result
A_{652}/A_{620}	<0.3	0.13
A_{620}/A_{280}	>4	4.29

188 Rue Maurice Béjart - CS57392 - 34184 Montpellier - FRANCE
Phone : +33 (0)4 67 04 09 28
Web : www.phyco-biotech.co
E-mail: info@phyco-biotech.com