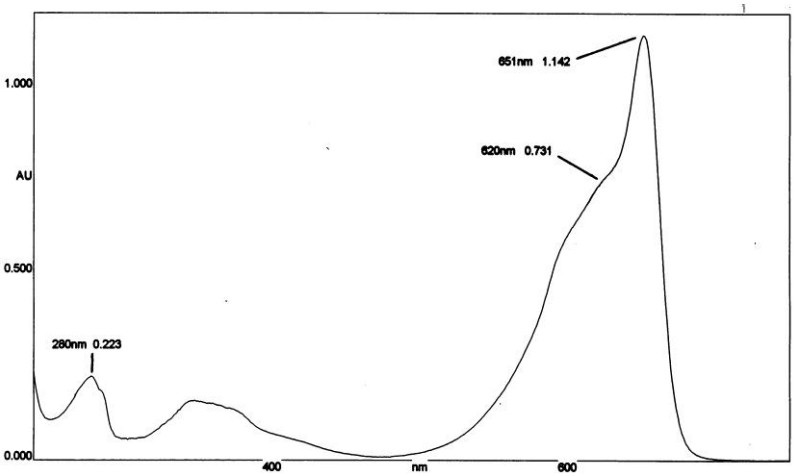
ORIGIN : FRANCE

Lyophilized Crosslinked ALLO - PHYCOCYANIN from *Spirulina sp.*
Data sheet Lot# PBT-APCXLLyo/001

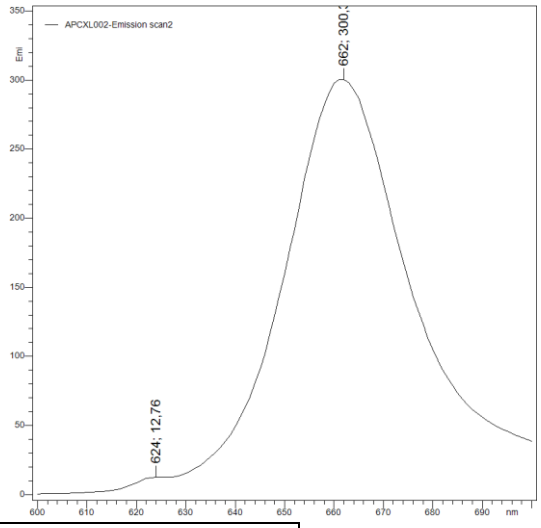
Molecular weight	104 kDa
Subunit structure	$(\alpha\beta)_3$
Purity	Ratio A_{650}/A_{620} greater than 1.45 Ratio A_{650}/A_{280} greater than 4.5
Absorption maxima	650 nm ± 3nm
Emission maxima	661 nm ±3nm
Absorbance	$A^{1\%}_{651}$ = 70.3
APCXL concentration in powder	**40% (w/w)**
Form	Lyophilized powder from APCXL 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 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	5.12
A_{280}/A_{250}	>1.5	1.96

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