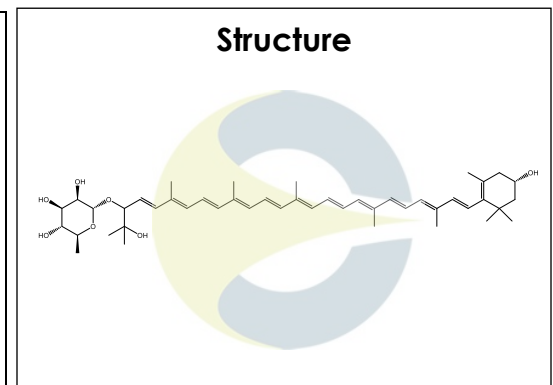


Certificate of Analysis

For Laboratory Use Only

PRODUCT NAME	Myxoxanthophyll
PART NUMBER	00013954
STANDARD TYPE	Analytical Standard (AS)
LOT NUMBER	00013954-110
REPORT NUMBER	CDXA-RSS-8379-00
DATE OF SAMPLE	11/29/2018
DATE OF REPORT	12/06/2018



CHEMICAL NAMES	(3S,3'E)-3',4'-Didehydro-2'-[(6-deoxy- α -L-mannopyranosyl)oxy]-1',2'-dihydro-1',3-dihydroxy- β , ψ -carotene
CHEMICAL FORMULA	C ₄₆ H ₆₆ O ₇
MOLECULAR WEIGHT (MW)	731.01
CHEMICAL FAMILY	Carotenoids
CAS NUMBER	[11004-68-5]
EC#(EINECS)	NA
RTECS	NA
FROM	Cyanophyceae

PREPARED CONCENTRATION

0.965 mg/L in acetone Volume 2.5 mL	Extinction Coefficient is 216 L/g/cm at 478 nm.	Be advised to use measured volumes of this standard solution before diluting to the desired concentration.
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ANALYTICAL RESULTS

TEST	METHOD	SPECIFICATION	RESULT
HPLC	See Below	NA	95.3%

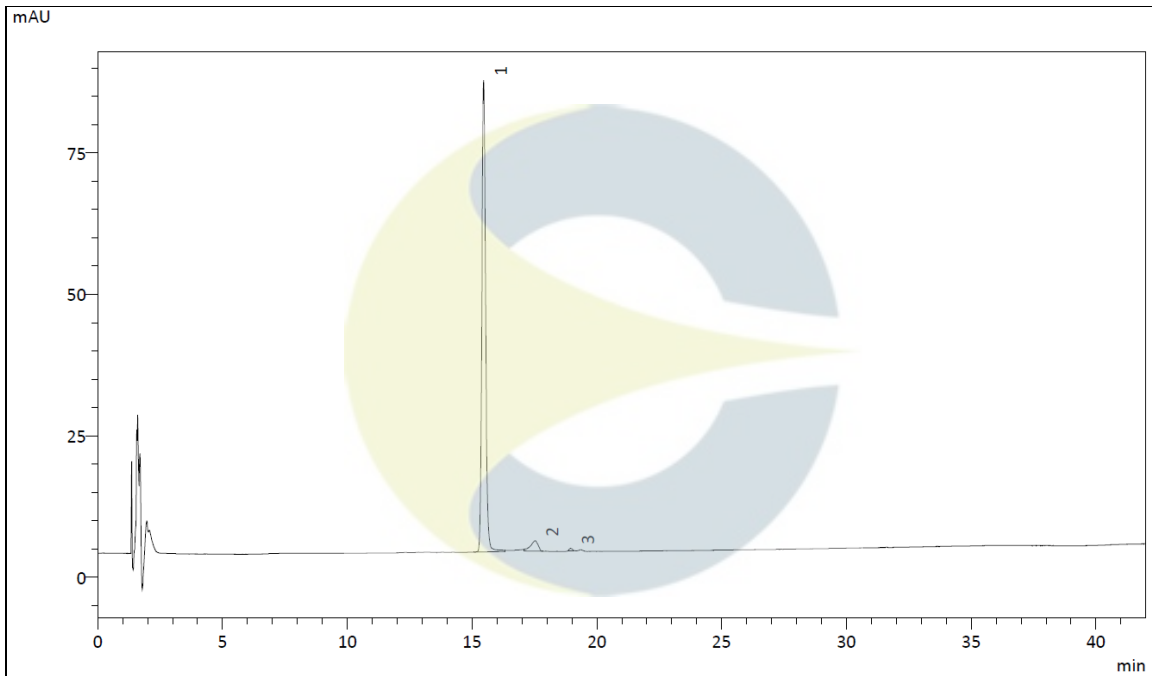
STORAGE CONDITIONS

STORAGE	-80 °C in a dry place.
EXPIRATION DATE	11/2021 under the above conditions. Use immediately after breaking the seal.

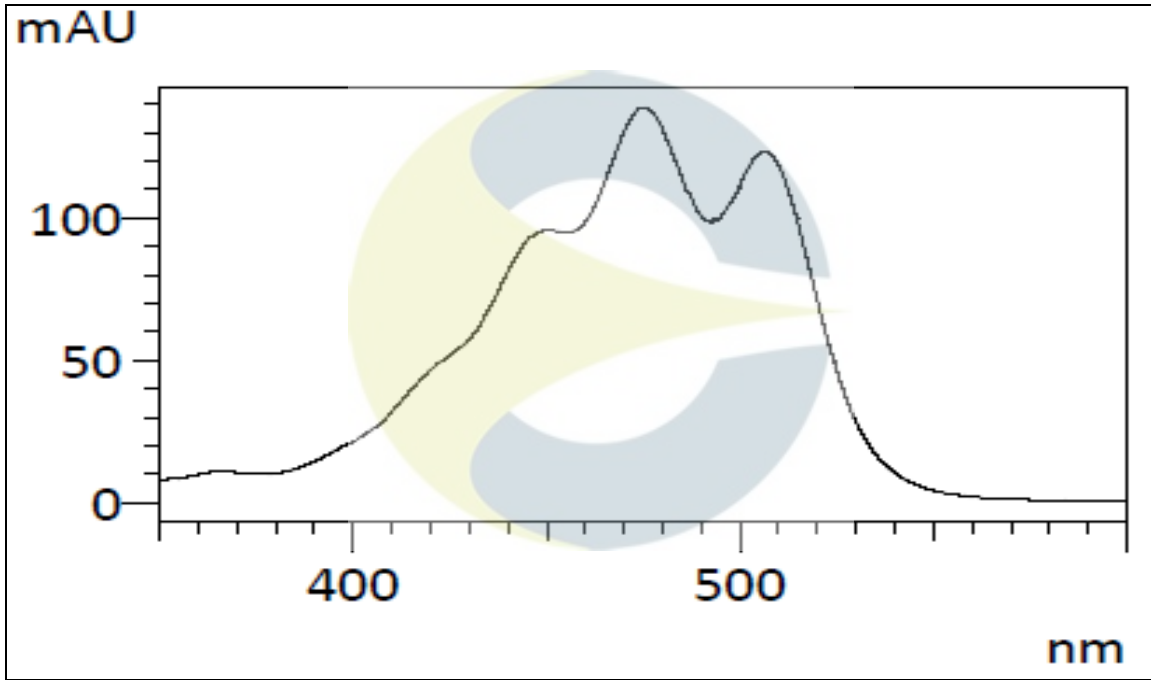
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ANALYTICAL CONDITIONS

INSTRUMENT	HPLC/UV
COLUMN	Eclipse XDB-C8, 150 x 4.6 mm, 3.5 µm particle size
500 µL	500 µL
28.5% standard:71.5%	28.5% standard : 71.5% Tetrabutylammonium acetate, mix in the loop.
450 nm	450 nm

HPLC CHROMATOGRAM OF MYXOXANTHOPHYLL


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UV SPECTRUM AT RT = 15.5 MINUTES

REVISION HISTORY

<u>Revision History</u>	<u>Date of Revision</u>	<u>Document/Changes</u>
00	12/06/2018	New report

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