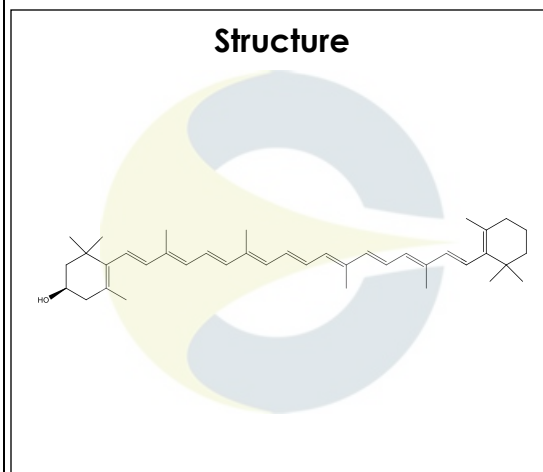


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PRODUCT NAME	B-Cryptoxanthin
PART NUMBER	00003901
STANDARD TYPE	Analytical Standard (AS)
LOT NUMBER	0003901-109
REPORT NUMBER	CDXA-RSS-7392-02
DATE OF SAMPLE	12/27/2016
DATE OF RE-EVALUATION	02/25/2019 (1 st); 06/03/2021 (2 nd)
DATE OF REPORT	06/09/2021



CHEMICAL NAMES	(3R)- β,β-caroten-3-ol; (3R)-Cryptoxanthin; 3-Hydroxy-β-carotene; Cryptoxanthol; trans-Cryptoxanthin; all-trans-Neocryptoxanthol
CHEMICAL FORMULA	C ₄₀ H ₅₆ O
MOLECULAR WEIGHT (MW)	552.87
CHEMICAL FAMILY	Carotenoids
CAS NUMBER	[472-70-8]
EC#(EINECS)	NA
RTECS	FI0350000

PREPARED CONCENTRATION

1.120 mg/L in Acetone Volume 2.5 mL	Absorption Coefficient is 243 L/g/cm at 454 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	94.7%

STORAGE CONDITIONS

STORAGE	-80 °C in a dry place, away from light. Use immediately after opening.
EXPIRATION DATE	06/2024 under the above conditions.



Digitally signed by
Elizabeth Hughes
Date: 2021.06.09
09:33:15 -06'00'

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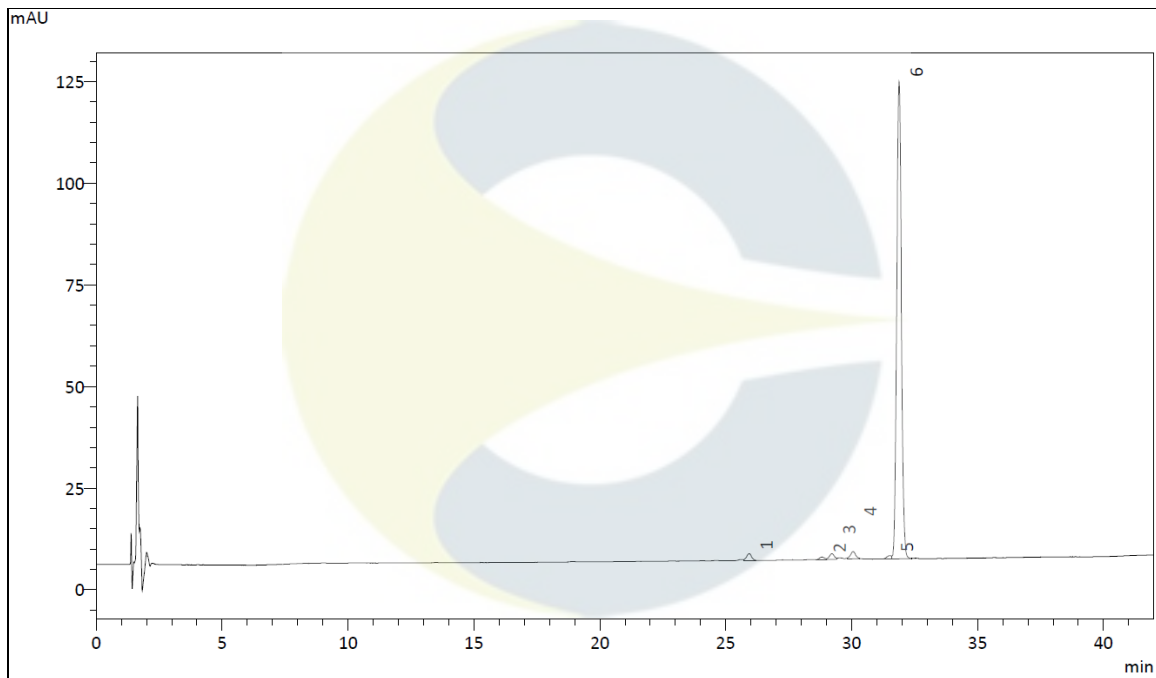
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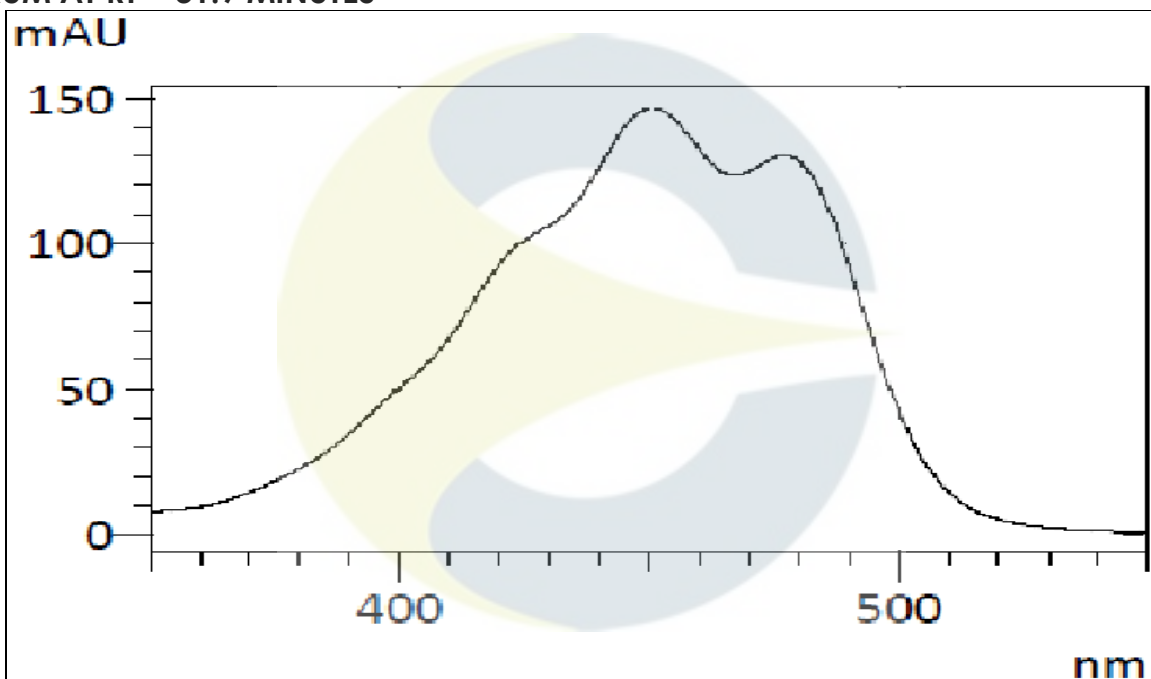
ANALYTICAL CONDITIONS

INSTRUMENT	HPLC/UV
COLUMN	Eclipse XDB-C8 150 x 4.6 mm, 3.5 µm particle size
INJECTION VOL.	500 µL
INJECTION CONC.	28.5% standard : 71.5% Tetrabutylammonium acetate
DETECTION	450

HPLC CHROMATOGRAM OF B-CRYPTOXANTHIN



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UV SPECTRUM AT RT = 31.9 MINUTES

REVISION HISTORY

<u>Revision History</u>	<u>Date of Revision</u>	<u>Document/Changes</u>
00	01/06/2017	New report
01	02/28/2019	Updated expiration date and storage information, removed melting point, and added RTECS number.
02	06/09/2021	Updated expiration date.

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