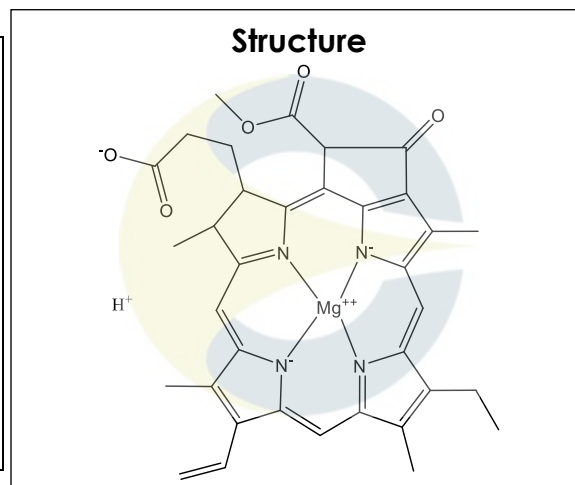


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PRODUCT NAME	Chlorophyllide A
PART NUMBER	00003467
STANDARD TYPE	Analytical Standard (AS)
LOT NUMBER	00003467-128
REPORT NUMBER	CDXA-RSS-8365-01
DATE OF SAMPLE	11/26/2018
DATE OF RE-EVALUATION	02/06/2020
DATE OF REPORT	05/04/2021



CHEMICAL NAMES	Magnesium-pheophorbide A
CHEMICAL FORMULA	C ₃₅ H ₃₃ MgN ₄ O ₅ · H
MOLECULAR WEIGHT (MW)	614.97
CHEMICAL FAMILY	Chlorophylls
SOURCE	Bacillariophyceae
CAS NUMBER	[14897-06-4]
EC#(EINECS)	N/A
RTECS	N/A

PREPARED CONCENTRATION

0.903 mg/L in 90% Acetone Volume 2.5 mL	Extinction Coefficient is 127 L/g/cm at 664 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 – Purity	See below	>75%	94.8%
HPLC – Identity	See below	Conforms	Conforms

STORAGE CONDITIONS

STORAGE	-80 °C in a dry place.
EXPIRATION DATE	02/2023 under the above conditions, if unopened.

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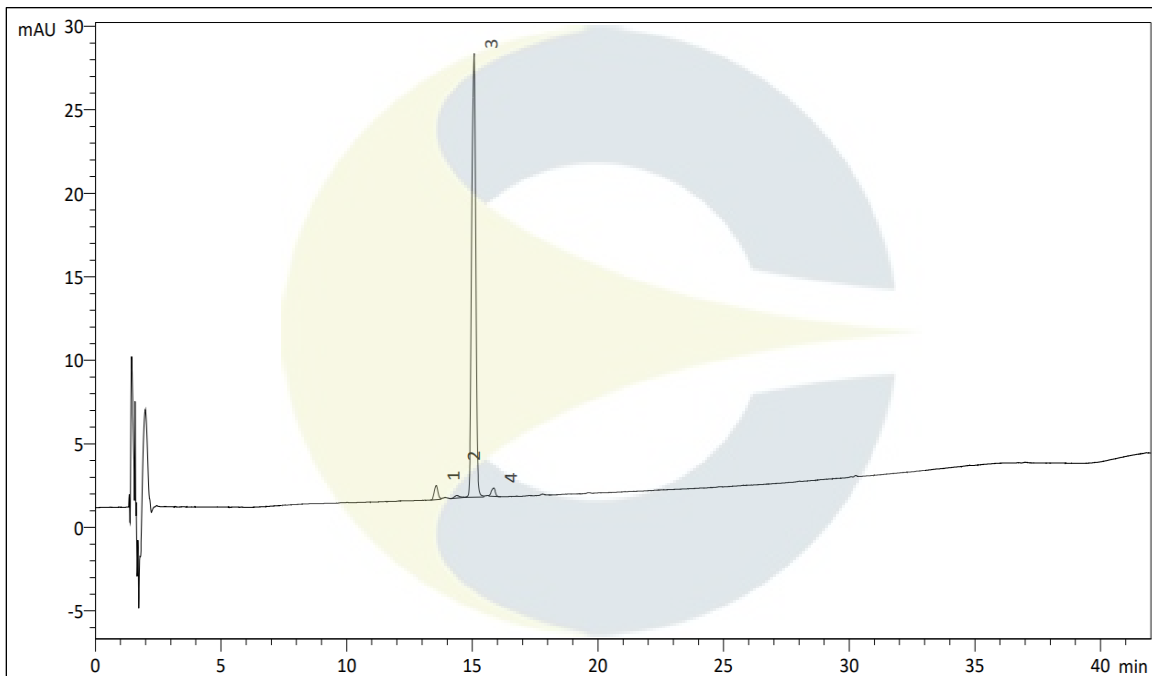
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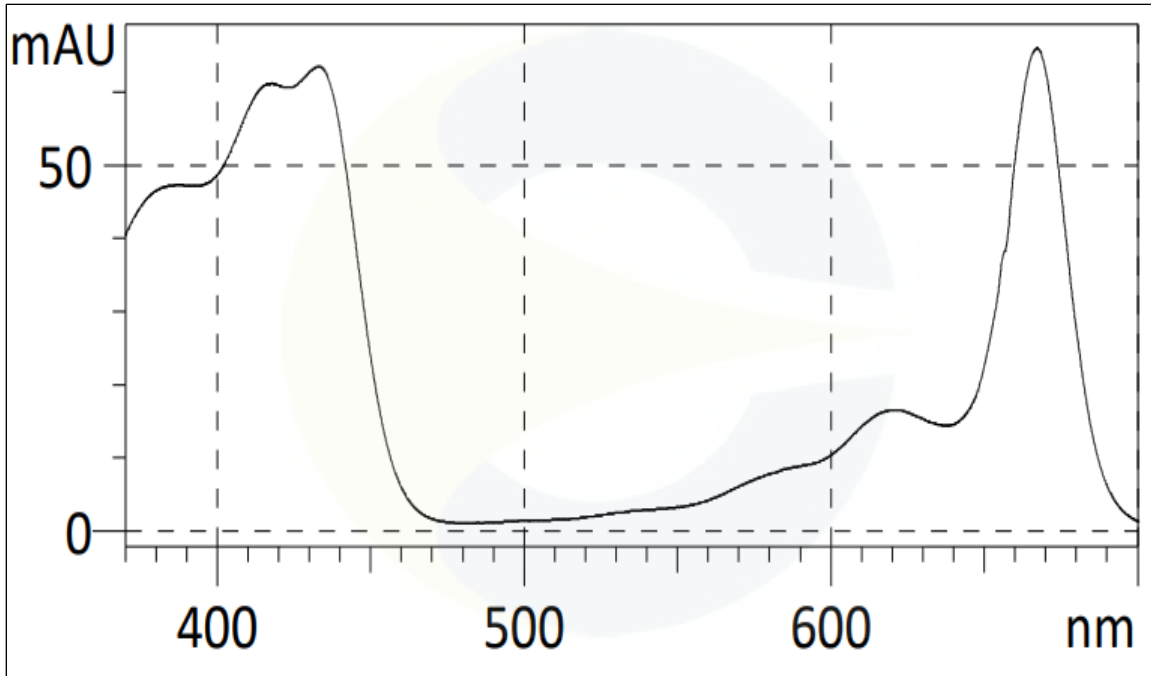
ANALYTICAL CONDITIONS

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 solution
DETECTION	450 nm

HPLC CHROMATOGRAM OF CHLOROPHYLLIDE A



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UV SPECTRUM AT 15.1 MINUTES

REVISION HISTORY

<u>Revision History</u>	<u>Date of Revision</u>	<u>Document/Changes</u>
00	12/04/2018	New report
01	05/04/2021	Material passed reevaluation b HPLC. Updated expiration, analytical results, analytical conditions, and chromatograms

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