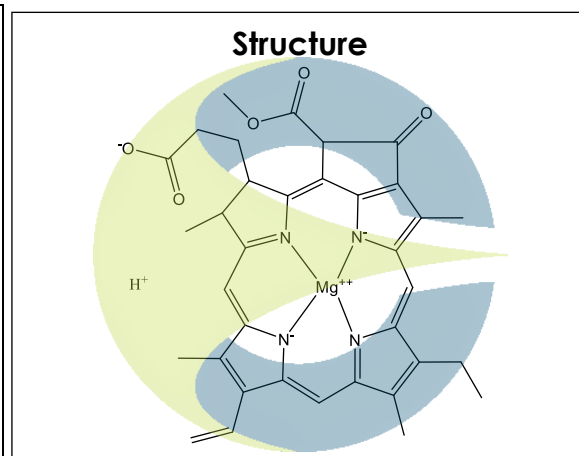


**Certificate of Analysis**
*For Laboratory Use Only*

<b>PRODUCT NAME</b>	Chlorophyllide A
<b>PART NUMBER</b>	00003467
<b>STANDARD TYPE</b>	Analytical Standard (AS)
<b>LOT NUMBER</b>	00003467-129
<b>REPORT NUMBER</b>	CDXA-RSS-9841-00
<b>DATE OF SAMPLE</b>	07/01/2022
<b>DATE OF REPORT</b>	07/11/2022



<b>CHEMICAL NAMES</b>	Magnesium-pheophorbide A
<b>CHEMICAL FORMULA</b>	$C_{35}H_{33}MgN_4O_5 \cdot H$
<b>MOLECULAR WEIGHT (MW)</b>	614.97
<b>CHEMICAL FAMILY</b>	Chlorophylls
<b>CAS NUMBER</b>	[14897-06-4]
<b>EC#(EINECS)</b>	N/A
<b>RTECS</b>	N/A

**PREPARED CONCENTRATION**

0.802 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. Use immediately after opening.
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**ANALYTICAL RESULTS**

TEST	METHOD	SPECIFICATION	RESULT
HPLC – Purity	See below	>75%	95.0%
HPLC – Identity	See below	Conforms	Conforms

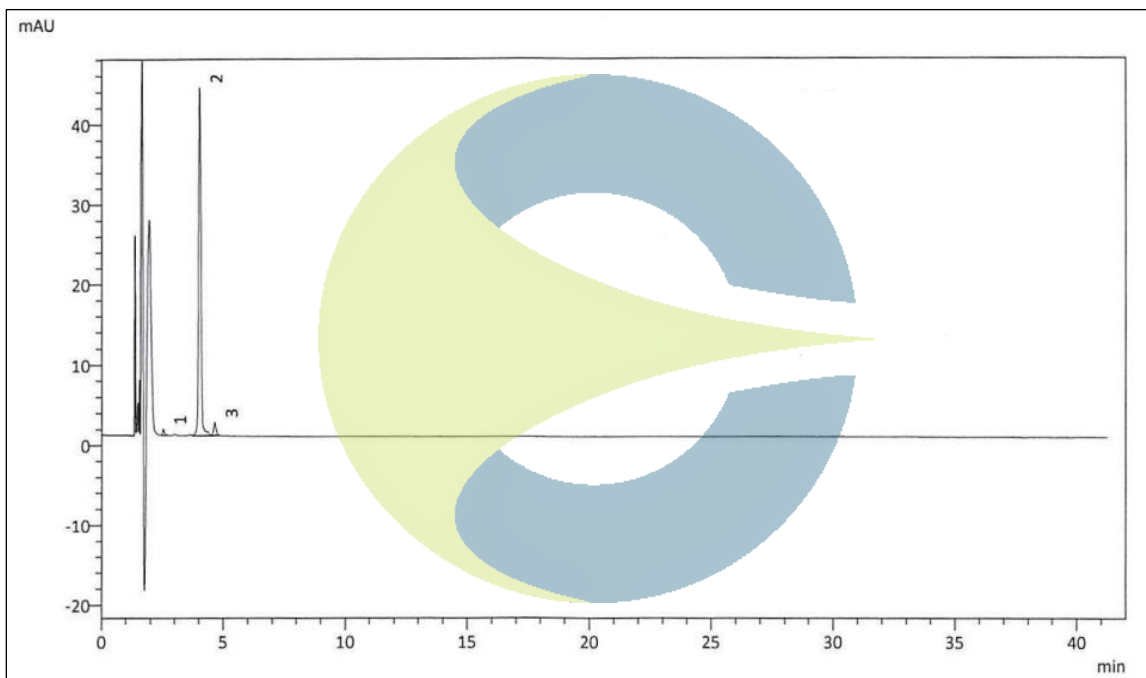
**STORAGE CONDITIONS**

<b>STORAGE</b>	-80 °C in a dry place.
<b>EXPIRATION DATE</b>	07/2025 under the above conditions, if unopened.

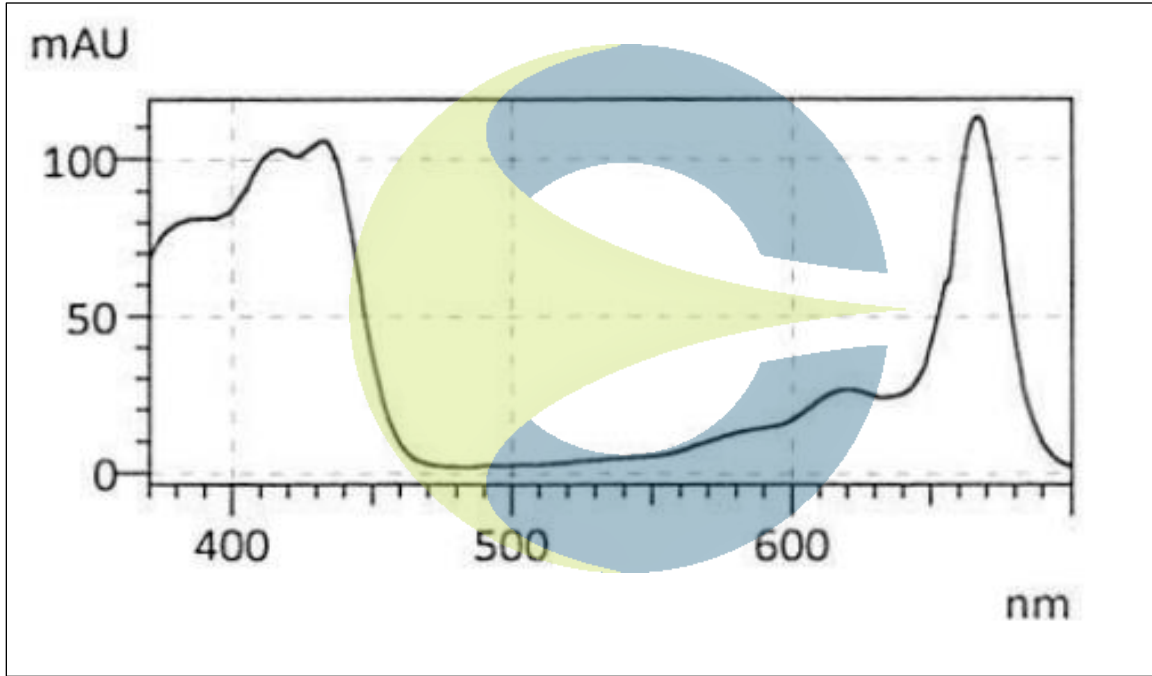
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**ANALYTICAL CONDITIONS**

<b>INSTRUMENT</b>	HPLC/UV
<b>COLUMN</b>	Agilent Eclipse XDB-C8; 150 x 4.6 mm, 3.5 µm particle size
<b>MOBILE PHASE</b>	A – (70:30) Methanol:28 mM Tetrabutylammonium acetate, pH 6.5 B – Methanol
<b>FLOW RATE</b>	1.0 mL/minute
<b>INJECTION VOL.</b>	500 µL
<b>INJECTION CONC.</b>	28.5% standard: 71.5% Tetrabutylammonium acetate solution, mix in the loop.
<b>DETECTION</b>	450 nm

**HPLC CHROMATOGRAM OF CHLOROPHYLLIDE A**


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**UV SPECTRUM AT RT = 4.0 MINUTES****REVISION HISTORY**

<u>Revision History</u>	<u>Date of Revision</u>	<u>Document/Changes</u>
00	07/11/2022	New report

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