





SPECIMEN

Certificate of Analysis

For Laboratory Use Only

PRODUCT NAME Pheophorbide A

PART NUMBER 00016633

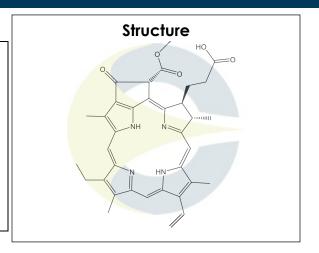
STANDARD TYPE Analytical Standard (AS)

LOT NUMBER 00016633-115

REPORT NUMBER CDXA-RSS-9018-00

DATE OF SAMPLE 06/29/2020

DATE OF REPORT 07/01/2020



CHEMICAL NAMES 2-Deacetyl-2-vinylbacteriopheophorbide; Phaeophorbide a; Pheophorbide as

CHEMICAL FORMULA C35H36N4O5

MOLECULAR WEIGHT (MW) 592.68

CHEMICAL FAMILY Porphyrins

CAS NUMBER [15664-29-6]

EC#(EINECS) 239-738-5

RTECS SY2632000

EXTRACTED FROMBacillariophyceae

PREPARED CONCENTRATION

1.84 mg/L in 90% Acetone Volume: 2.5 mL Extinction Coefficient is 74.2 L/g/cm at 667 nm.	Use measured volumes of this standard solution before diluting to the desired concentration. Use immediately after opening.
--	---

ANALYTICAL RESULTS

TEST	METHOD	SPECIFICATION	RESULT
HPLC	See below	NA	98.3%

STORAGE CONDITIONS

STORAGE -80 °C in a dry place away from light.

EXPIRATION DATE 06/2023 under the above conditions, if unopened.

This document is the property of ChromaDex, Inc. and/or its relevant affiliates and contains confidential and proprietary material for the sole use of the intended recipient(s). Any review, use, distribution or disclosure by or to others is strictly prohibited.







SPECIMEN

Certificate of Analysis

For Laboratory Use Only

ANALYTICAL CONDITIONS

INSTRUMENT HPLC/UV

COLUMN Eclipse XDB-C8; 150 x 4.6 mm, 3.5 µm particle size

MOBILE PHASE A – Methanol/28 mM Tetrabutylammonium acetate, pH 6.5 (70/30), B – Methanol

Hold at 5% B for 6.4 minutes, then increase to 95% B over 22 minutes. Hold at 95% B

for 7 minutes then return to 5% B over 2 minutes.

COLUMN TEMP. 60 °C

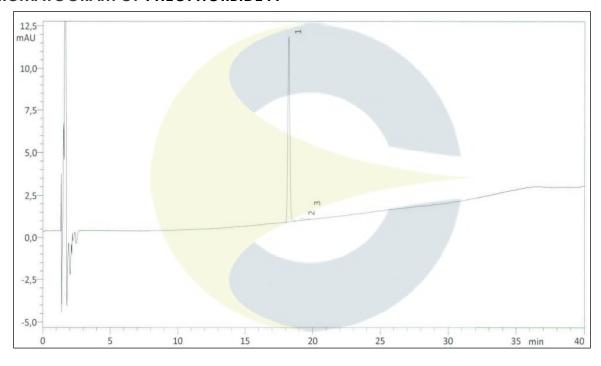
FLOW RATE 1.1 mL/minute

INJECTION VOL. 500 µL

INJECTION CONC. 28.5% standard: 71.5% Tetrabutylammonium acetate, mix in the loop.

DETECTION 450 nm

HPLC CHROMATOGRAM OF PHEOPHORBIDE A



This document is the property of ChromaDex, Inc. and/or its relevant affiliates and contains confidential and proprietary material for the sole use of the intended recipient(s). Any review, use, distribution or disclosure by or to others is strictly prohibited.





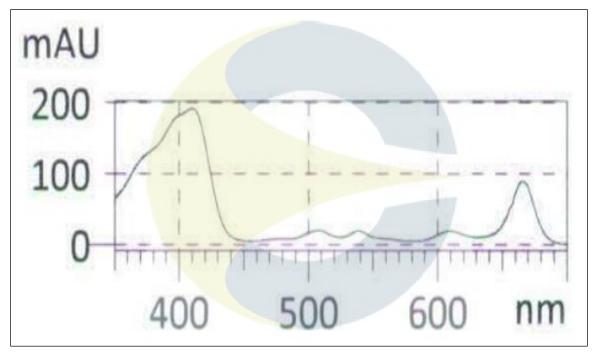


SPECIMEN

Certificate of Analysis

For Laboratory Use Only

UV SPECTRUM AT RT 18.2 MINUTES



REVISION HISTORY

Revision History <u>Date of Revision</u> <u>Document/Changes</u>

00 07/01/2020 New report

This document is the property of ChromaDex, Inc. and/or its relevant affiliates and contains confidential and proprietary material for the sole use of the intended recipient(s). Any review, use, distribution or disclosure by or to others is strictly prohibited.