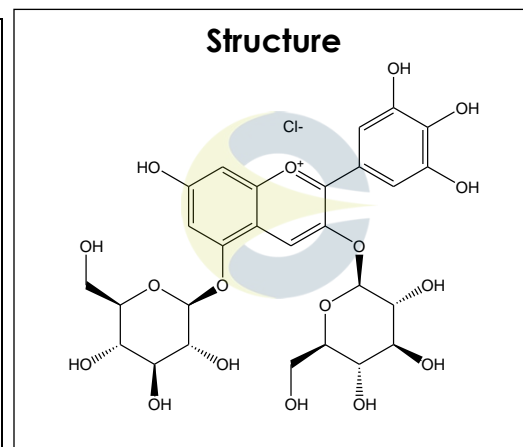


Certificate of Analysis
For Laboratory Use Only

PRODUCT NAME	Delphinidin-3,5-diglucoside chloride
PART NUMBER	00004115
STANDARD TYPE	Analytical Standard (AS)
LOT NUMBER	00004115-804
REPORT NUMBER	CDXA-RSS-7919-00
DATE OF SAMPLE	04/04/2018
DATE OF REPORT	04/04/2018



CHEMICAL NAMES	3,5-Bis(β-D-glucopyranosyloxy)-7-hydroxy-2-(3,4,5-trihydroxyphenyl)-1-benzopyrylium chloride (1:1); Delphinidin diglucoside
CHEMICAL FORMULA	C ₂₇ H ₃₁ O ₁₇ Cl
MOLECULAR WEIGHT (MW)	662.98
CHEMICAL FAMILY	Anthocyanins
CAS NUMBER	[17670-06-3]
EC#(EINECS)	NA
RTECS	NA

ANALYTICAL RESULTS

TEST	METHOD	SPECIFICATION	RESULT
HPLC	See Below	NA	97.1%
Appearance	NA	NA	Brown Powder

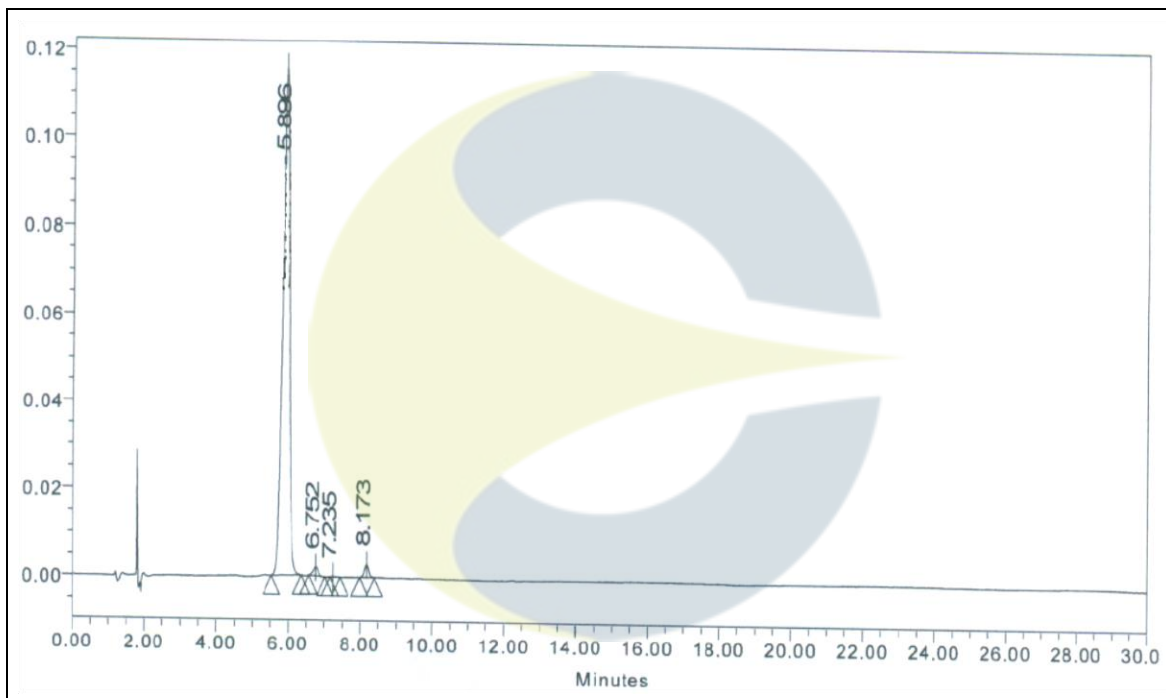
STORAGE CONDITIONS

STORAGE	-20 °C in a dry place.
EXPIRATION DATE	03/2022 under the above conditions.

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.

Certificate of Analysis
For Laboratory Use Only
ANALYTICAL CONDITIONS

INSTRUMENT	HPLC/UV
COLUMN	Symmetry Shield RP18 150 x 4.6 mm, 3.5 µm particle size
MOBILE PHASE	A – 10% Formic acid in Water, B – Methanol; 5% B increasing to 60% B over 20 minutes, then increasing to 100% B over 5 minutes. Hold at 100% B for 5 minutes.
COLUMN TEMP.	30°C
FLOW RATE	1 mL/minute
INJECTION VOL.	5 µL
INJECTION SOLVENT	0.1% Hydrochloric acid in Methanol
DETECTION	520 nm

HPLC CHROMATOGRAM OF DELPHINIDIN-3,5-DIGLUCOSIDE CHLORIDE


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.

Certificate of Analysis

For Laboratory Use Only

REVISION HISTORY

<u>Revision History</u>	<u>Date of Revision</u>	<u>Document/Changes</u>
00	04/04/2018	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.