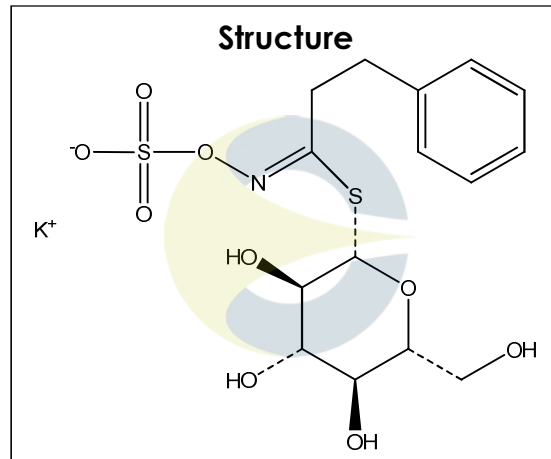


CERTIFICATE OF ANALYSIS

For Laboratory Use Only

PRODUCT NAME	Phenethyl glucosinolate potassium salt
PART NUMBER	00007254
STANDARD TYPE	Analytical Standard (AS)
LOT NUMBER	00007254-606
REPORT NUMBER	CDXA-RSS-7510-00
DATE OF SAMPLE	04/10/2017
DATE OF REPORT	04/18/2017



CHEMICAL NAMES	1-thio-1-[N-(sulfoxy)benzenepropanimidate] β-D-Glucopyranose potassium salt (1:1)
CHEMICAL FORMULA	C ₁₅ H ₂₁ NO ₉ S ₂ · K
MOLECULAR WEIGHT (MW)	461.55
PUBLISHED MELTING POINT	NA
CHEMICAL FAMILY	Glucosinolates
CAS NUMBER	[18425-76-8]
EC#(EINECS)	NA
RTECS	NA

ANALYTICAL RESULTS

TEST	METHOD	SPECIFICATION	RESULT
HPLC	See Below	NA	98.4%
Appearance	NA	NA	White powder

STORAGE CONDITIONS

STORAGE	+4 °C in a dry place.
EXPIRATION DATE	01/2021 under the above conditions.

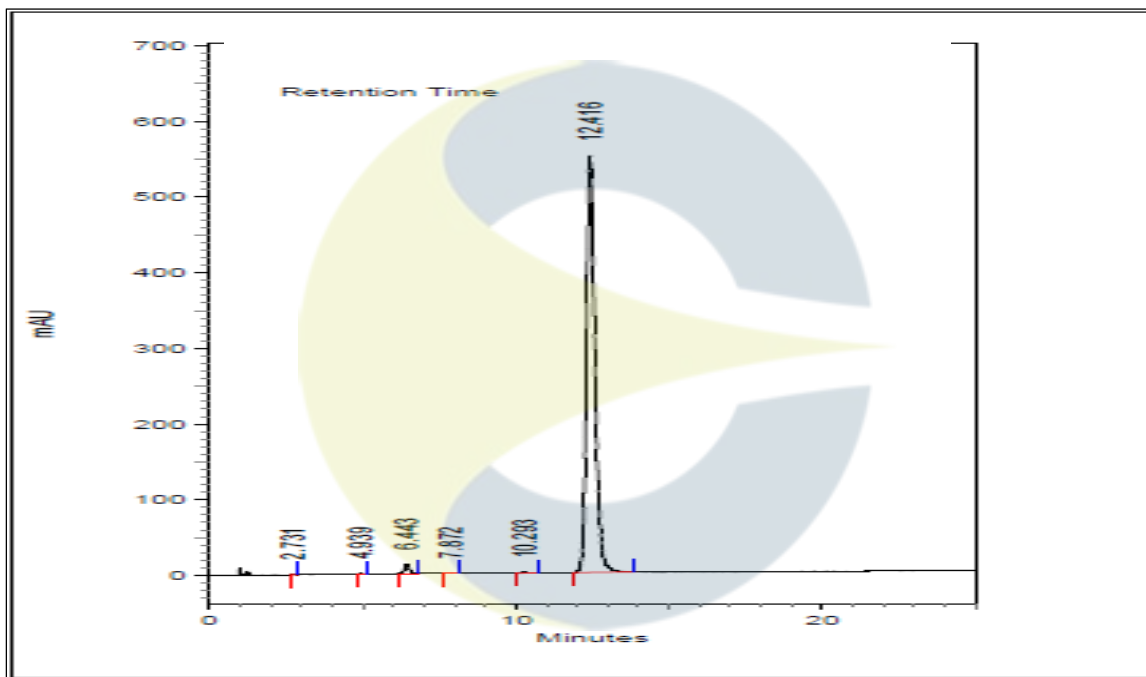
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ANALYTICAL CONDITIONS

INSTRUMENT	HPLC/UV
COLUMN	Eurospher100-5 C18, 250 X 4 mm with integrated precolumn 5 x 4 mm
MOBILE PHASE	Acetonitrile/ water 50/50 (v/v) + 5mM TOAB/L
COLUMN TEMP.	20°C
FLOW RATE	1.25 mL/minute
INJECTION VOL.	5 µL
INJECTION SOLVENT	Acetonitrile/ water 50/50 (v/v) + 5mM TOAB/L
DETECTION	225 ± 2 nm

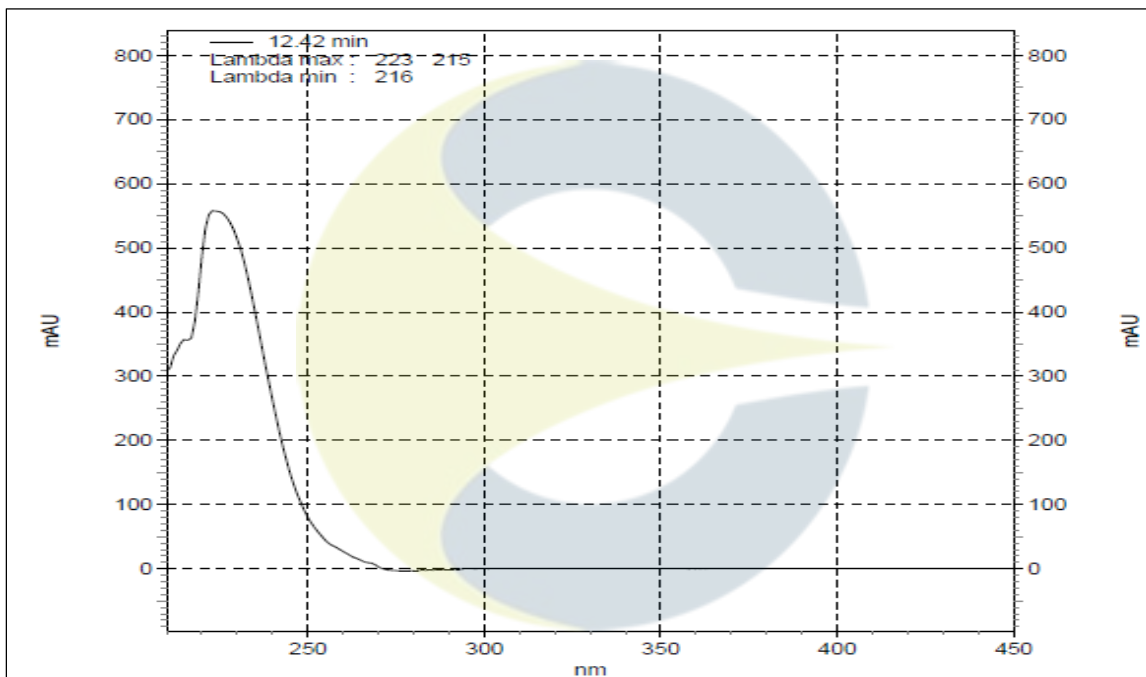
HPLC CHROMATOGRAM OF PHENETHYL GLUCOSINOLATE POTASSIUM SALT



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UV SPECTRUM AT RT = 12.4 MINUTES



REVISION HISTORY

<u>Revision History</u>	<u>Date of Revision</u>	<u>Document/Changes</u>
00	04/18/2017	New report