

PRODUCT	Devil's Claw (<i>Harpagophytum procumbens</i>) Root
PART NUMBER	00031354
REFERENCE TYPE	Biomass Reference Material (VBRM)*
LOT NUMBER	00031354-469
COMMON NAME	Devil's Claw
LATIN NAME	<i>Harpagophytum procumbens</i> (Burch.) DC. ex Mesin. [Pedaliaceae]
PLANT PART	Root
CDXA NUMBER	CDXA-13-2337
REPORT NUMBER	CDXA-VBRMR-122-01
DATE OF SAMPLE	05/29/2013
DATE OF RE-EVALUATION	06/25/2018
DATE OF REPORT	09/19/2018

*Note – Vouchered (V) BRM is a voucher specimen

A full-size color voucher copy may be purchased by contacting the ChromaDex sales office



ANALYTICAL RESULTS

TEST	METHOD	RESULT
Appearance	Macroscopy	(1) Whole/Cut: Brown tuber slices (2) Ground: White/cream powder
Anatomy/Morphology	Microscopy	(1) (200x) Reticulately thickened vessels (2) (200x) Section of yellowish brown cork layer and cortical parenchyma showing associated yellow secretions
HP-TLC	CDXA-TLCM-046-00	Conforms

STORAGE CONDITIONS

STORAGE	20-30 °C; Dry storage area; Insect free; Volatile free
EXPIRATION DATE	06/2023 under the above conditions

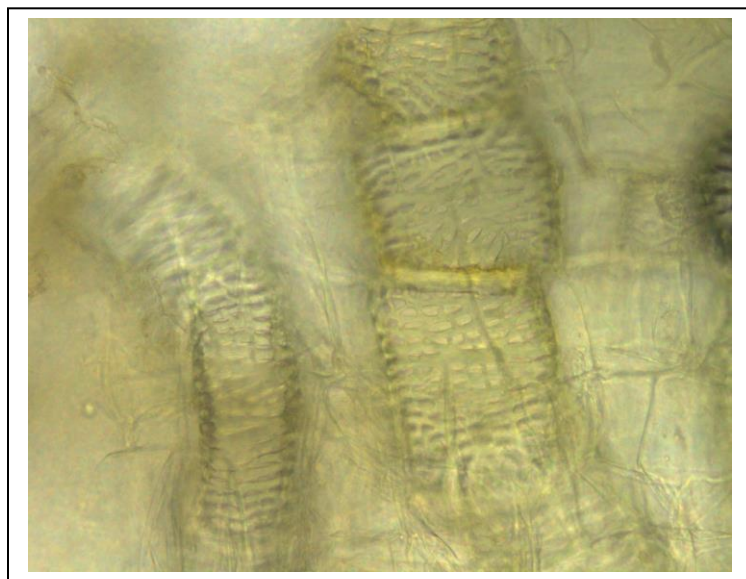
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MACROSCOPY

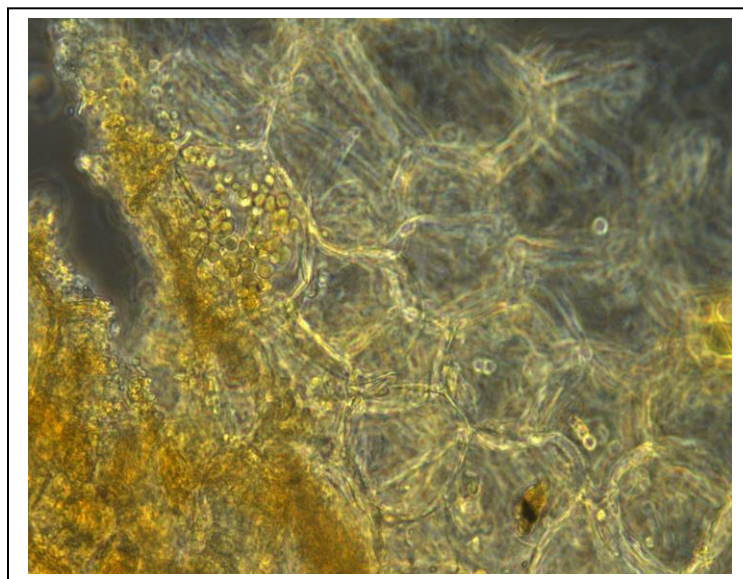


MICROSCOPY

(1)

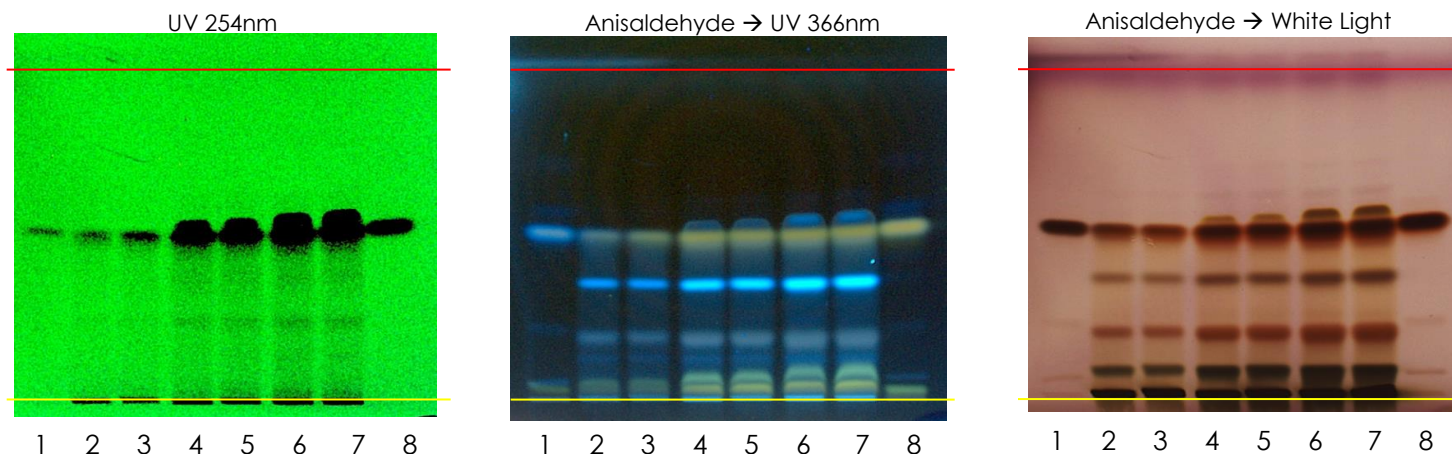


(2)



HP-TLC CONDITIONS

STATIONARY PHASE	Silica gel 60, F ₂₅₄ , 10 x 10 cm HP-TLC plates
SAMPLE PREPARATION	0.5 g + 5 ml methanol, sonicated in hot water bath for ~10 minutes, filtered through a 0.45 µm nylon syringe, and vialled
MOBILE PHASE	Ethyl acetate/ Methanol/ Milli-Q water [15.4/3/1.6]
CHAMBER TEMPERATURE	Ambient
DETECTION	(1) UV 254 nm (2) UV 366 nm (3) Anisaldehyde → white light

HP-TLC PLATES


YELLOW LINE = SAMPLE ORIGIN
 RED LINE = SOLVENT FRONT @ 70MM

HP-TLC LANE APPLICATIONS

Lane	ID	Lane	ID
1	Harpagoside	5	<i>Harpagophytum procumbens</i> VBRM
2	<i>Harpagophytum procumbens</i> VBRM	6	<i>Harpagophytum procumbens</i> VBRM
3	<i>Harpagophytum procumbens</i> VBRM	7	<i>Harpagophytum procumbens</i> VBRM
4	<i>Harpagophytum procumbens</i> VBRM	8	Harpagoside

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REVISION HISTORY

<u>Revision History</u>	<u>Date of Revision</u>	<u>Document/Changes</u>
00	05/20/2013	New report
01	09/19/2018	Passed re-evaluation; updated expiration date, HPTLC conditions, and lanes; general template update

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