

Title: **Cat's Claw, 60 Capsules**

Allergy Research Group® / NutriCology®

Document No.: 72010CA

Revision: 009

Certificate of Analysis

Part Number	72010		
Lot Number	00702		
Product Count & Form	60 Vegetarian Capsules		
Packaging, Closure	150 cc bottle, desiccant, rayon/cotton		
Storage Condition	Room Temperature		
Shelf Life	36 months	Expiration Date	06/2023
Label Number, Size	72010L, E		
Retain Sample	N/A		

ANALYSIS

Physical

Attribute	Method / SOP	Specification	Test Result
Product Color & Size	QC011	Brown, Size "00"	Complies
Product Weight	QC012	Meets USP <2091> 650 – 900 mg	Passes, 741 mg
Disintegration Time	SOP 522	Meets USP <2040>	Passes, 27:20 mins.

Purity / Strength per Capsule

Ingredients	Label Claim	Specification	Test Result
Cat's Claw Powder	565 mg	100- 150% LC by input	100- 150% LC by input*
Other Ingredients			
Hydroxypropyl methylcellulose, microcrystalline cellulose, L-leucine			

*Production and Process Control

Identification \ Chemical \ Heavy Metals


Attribute	Method / SOP	Specification	Test Result
Identity	Bulk Certificate of Analysis Review	Approved	Approved
Identity	Near Infrared Spectroscopy	Matches Reference	Matches Reference
Arsenic (inorganic)	ICP-MS per USP <2232>	≤ 15 mcg/day Ψ	0.063 mcg/day
Cadmium	ICP-MS per USP <2232>	≤ 5 mcg/day Ψ	0.007 mcg/day
Mercury (total)	ICP-MS per USP <2232>	≤ 15 mcg/day Ψ	0.026 mcg/day
Lead	ICP-MS per USP <2232>	≤ 10 mcg/day Ψ	0.039 mcg/day

Ψ – Permitted Daily Exposure, *Production and Process Control

Microbiology

Attribute	Method / SOP	Specification	Test Result
Total Aerobic Count	USP/ AOAC/ FDA BAM	≤ 1 x 10 ⁴ CFU/g	< 10 CFU/g
Total Yeast & Mold	USP/ AOAC/ FDA BAM	≤ 1 x 10 ³ CFU/g	< 10 CFU/g
Coliform	USP/ AOAC/ FDA BAM	≤ 1 x 10 ² CFU/g	< 10 CFU/g
Escherichia coli	USP/ AOAC/ FDA BAM	None Detected	None Detected
Staphylococcus aureus	USP/ AOAC/ FDA BAM	None Detected	None Detected
Salmonella	USP/ AOAC/ FDA BAM	None Detected	None Detected

*Production and Process Control

Approval: 	Casey Van Wagoner 2020.08.18 12:47:33 -06'00'	Date: 18AUG2020
---	--	-----------------

If you liked our service, please tell a friend. If you didn't, please tell us!

Test Certificate

 Description: Cat's Claw
 Sample ID: 42010
 Lot No: 00702
 Location:
 Received: 6/25/2020
 Completed: 7/2/2020

 Client: Allergy Research Group
 2300 S Main St
 Salt Lake City, UT 84115

Lab No: 198963-01

Analysis	Result	Per Unit	Specifications	Method
Mercury	0.009	µg / g	< 0.5 µg / g	ICP-MS USP <730>
Lead	0.020	µg / g	< 0.5 µg / g	ICP-MS USP <730>
Arsenic	0.032	µg / g	< 0.5 µg / g	ICP-MS USP <730>
Cadmium	0.003	µg / g	< 0.5 µg / g	ICP-MS USP <730>
Total Aerobic Microbial Count	<10	CFU/g	<= 10,000 CFU/g	USP <2021>
Coliform	<10	CFU/g	<= 100 CFU/g	AOAC 991.14
E.Coli	Absent	per 10 grams	Absent	USP <2022>
Staphylococcus aureus	Absent	per 10 grams	Absent	USP <2022>
Salmonella	Absent	per 10 grams	Absent	USP <2022>
Total Yeast & Mold	<10	CFU/g	<= 1,000 CFU/g	USP <2021>
Yeast *	<10	CFU/g	<= 1,000 CFU/g	USP <2021>
Mold *	<10	CFU/g	<= 1,000 CFU/g	USP <2021>

* For informational purposes only.

THESE RESULTS APPLY ONLY TO THE SAMPLE SUBMITTED AND NOT TO THE PRODUCT FROM WHICH IT WAS TAKEN. THESE RESULTS ARE PROVIDED ONLY FOR THE BENEFIT OF CLIENT, WITHOUT REPRESENTATION OR WARRANTY OF ANY KIND, EXCEPT FOR THE EXPRESS LIMITED WARRANTY PROVIDED SOLELY TO CLIENT IN ADVANCED LABORATORIES' TERMS OF SERVICE.

THIS CERTIFICATE SHALL NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT WRITTEN APPROVAL FROM ADVANCED LABORATORIES.

Results Approved By:



Kristina Noll - Quality Technician

Dated:

7/2/2020

Printed: 7/2/2020 10:53:12 AM

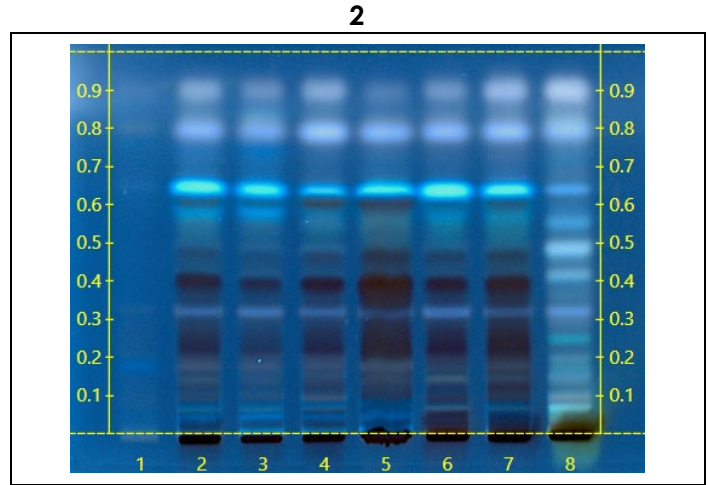
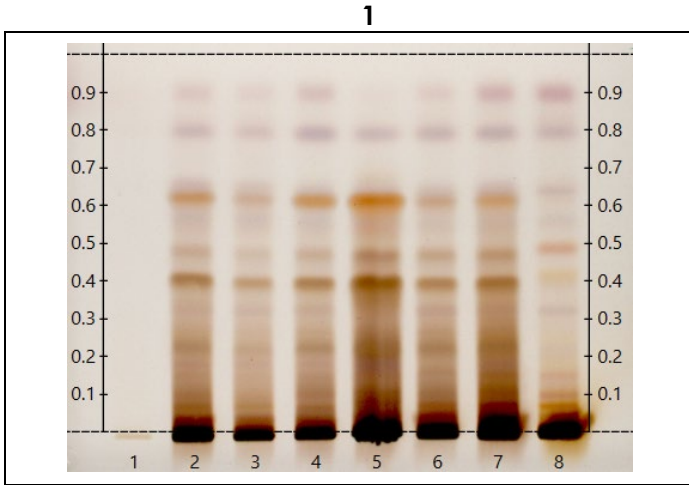


Certificate Issued To:
Allergy Research Group
2300 S. Main St.
South Salt Lake, Utah 84115
United States



Work performed at:
Alkemist Labs
12661 Hoover Street
Garden Grove, CA 92841
714-754-HERB (4372)
714-668-9972 (FAX)
Sales@Alkemist.com
www.Alkemist.com

Certificate of Analysis: Cat's Claw (42010/00702)
High Performance Thin-Layer Chromatography with Photo-Documentation



Company Name: Allergy Research Group
Title: Cat's Claw
Plant Part: bark
Sample Received: 06/30/20
Sample Packaging: Clear Whirl-Pak
Form of Botanical: crude plant powder
Appearance: Fine Brown Powder inside Capsules
Lot Number: (42010/00702) → Lane 5(6µl)
Sample: 20182QTV_1
Latin Name: *Uncaria tomentosa* (Willd.) DC. [Rubiaceae]
Reference Sample: Lane 2(6µl) (Y05310MMH), Lane 3(6µl) (Y07905ELF1), Lane 6(6µl) (19316CQH), Lane 7(6µl) (19316JNL) *Uncaria tomentosa* (bark); Lane 8(6µl) (ADE30512TRO1) *Uncaria guianensis* (bark); held at Alkemist Labs, Garden Grove, CA.

Analyst: A. Davis, N. Afendikova, M. Edwards, S. Kabbaj, N. Hoang, K. Tran, J. Lopez, J. Mares 138272
Sample Preparation: 0.3g+3mL Methanol, sonicate/heat at 50°C for 30 min.
Stationary Phase: Silica gel 60, HPTLC plates
Mobile Phase: ethyl acetate: Methanol: Formic Acid: Water [10/0.27/0.3/0.5]
Detection: (1) 10% Sulfuric, 100°C, 2min, Vis (Reich, E., 2007)
(2) 10% Sulfuric, 100°C, 2min, 366nm (Reich, E., 2007)

Reference Standard: Lane 1 (6µl) Uncarine C (0021220-81A, CHR), Methanol (0000206696, VWR)
Reference Source: Method Developed by Alkemist Labs
IDT-SOP-72-01

Comments & Conclusions: Lane 5 is the test sample Cat's Claw (42010/00702). Lanes 2, 3, 6, 7, 8, are the reference samples used for comparison. This test sample, Cat's Claw (42010/00702) is consistent with the chromatographic profile of the reference samples of *Uncaria tomentosa*, used above. **This test sample Cat's Claw (42010/00702) has characteristics of *Uncaria tomentosa* bark.**

NOTE: The above conclusion may be a function of the natural variance found in botanicals &/or the extraction process used to create specific extracts. The growing and drying conditions, age, seasonal variations, geographic location, extraction solvents, etc. all play a role in the phytochemical fingerprint of botanicals as well as their extracts; hence, chromatographic variations are expected.

Examined, Reviewed & Authorized by: Khanh N Tran, HPTLC, R&D Supervisor, Alkemist Labs

Report Date: 07/06/20



Note: Any unidentified lanes in the above chromatograms are confidential and may represent internal studies or other test samples not related to 42010/00702. This report applies to the sample investigated and is not necessarily indicative of the quality or condition of apparently identical or similar products. This report is for the exclusive use of the party who requested the report and not for public dissemination or use by third parties, including for promotional purposes, without the prior written permission of Alkemist Labs, Inc. This report provides technical results for a specific sample and the report shall not be altered, modified, supplemented or abstracted in any manner. Any violation of these conditions renders the report and its results void. © 2020 Alkemist Labs, Inc. All Rights Reserved