



LIFTMODE
47 W. Polk St. STE 100-241
Chicago, IL 60605

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CERTIFICATE OF ANALYSIS

Baicalin Powder (Scutellaria baicalensis Extract)

Material Lot #: 20150326 Manufacture Date: 03/26/2015
Country of Origin: China Retesting Date: 03/25/2017

Analysis	Claim	Result
Baicalin	≥95%	95.10%

Test	Specification	Result
Appearance	Powder from light yellow to brown	Complies
Loss on Drying	≤5.0%	3.01%
Heavy Metals (µg/g)	10 ppm	Complies
Arsenic	2 ppm	Complies
Cadmium	1 ppm	Complies
Lead	2 ppm	Complies
Total Plate Count	≤1000 cfu/g	Complies
Mould and Yeast	≤100 cfu/g	Complies
E.coli	Negative Result	Complies
Salmonella	Negative Result	Complies

Conforms to Standard

Baicalin should be stored at or below room temperature in a tightly sealed durable container.
Baicalin should be protected from excess heat, direct sunlight, excess humidity and moisture.
Baicalin has a stable shelf life of 2 years from the date of manufacture when properly stored.



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COA No:	SCA-38303686-0
Supersedes:	None
COA Date	9/4/15
Page 1 of 1	

Received From:	Costa Mesa, CA
Received Date:	8/28/15
P.O.# / ID:	4505
Location of Test: (except where noted) Cypress, CA	

Analytical Results

Desc. 1:	VH23815SYNP1_2:CSIN20150326	Laboratory ID:	355452461
Desc. 2:	Magnolia Bark Extract	Condition Rec'd:	NORMAL
		Temp Rec'd (°C):	21.0
Analyte	Result	Units	Method Reference Test Date Loc.
ICP MS Heavy Metals (4 analytes)			EPA 3050/6020 USP730 9/4/15 CHG
ICPMS Prep	Acid Digest	-	
Arsenic	<0.01	ppm (w/w)	
Cadmium	<0.001	ppm (w/w)	
Lead	0.02	ppm (w/w)	
Mercury	0.005	ppm (w/w)	


Jorge Hernandez Laboratory Director

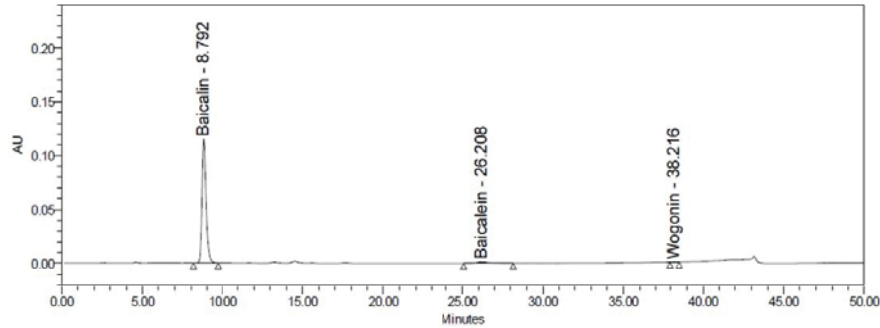
CERTIFICATE OF ANALYSIS



1260 LOGAN AVE. #B2 COSTA MESA, CA 92626 | P. 714-754-4372 | F. 714-668-9972 | WWW.ALKEMIST.COM

Sample Name: Baicalin
Description: Powdered extract; Yellow fine powder
Lot #: CSIN20150326
AL #: NE23815SYNP1_1
Analysis ID: 60137
Received: 08/26/15

Determination of Baicalin Content in Extract High Performance Liquid Chromatography with Diode Array Detection



Ret. Time (min)	Compound Name	Amount (%)	Specification	Result
8.8	Baicalin	86.4377	NLT 95%	Fail

Chromatographic Conditions:

Method: ATM-815-0048
Column: AP172 Zorbax SB-C18 (250 x 4.6 mm)
Temperature: 30°C
Flow Rate: 1 mL/min
Injection Volume: 5 µL
UV Detection: 277 nm
Mobile Phase: Methanol
0.1% Phosphoric Acid
HPLC Instrument: Alliance_4

Sample Preparation:

Weighed 150 mg of sample into a 50 mL flask, added 2.0 mL DMSO and 2.0 mL water and sonicated for 10 minutes at room temperature. Added 30 mL methanol and sonicated for 10 minutes at room temperature. Let cool, filled to volume with methanol, and diluted 2:50 with methanol. Filtered through 0.45 µm PTFE filter into HPLC vial.

Report Summary:

Conclusion: This "Baicalin" sample contains 86% baicalin.
OOS Reference: N/A
Notebook Reference: LC085 p. 012

Analysis Date : 09/02/15

Analyzed By: J Crellin



Digitally signed by
Holly E. Johnson, Ph.D.
DN: cn=Holly E.
Johnson, Ph.D.,
ou=Alkemist Labs, ou=
com, c=US
Date: 2015.09.08
14:10:00-0700'

Authorized By: Holly E. Johnson, Ph.D.,
Senior Analytical Chemist

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