



Certificate of Analysis

47 W Polk St. STE 100-241
Chicago, IL 60605
liftmode@liftmode.com

LiftMode

Baicalein

🍃 5,6,7 trihydroxyflavone, *Scutellaria Baicalensis* Extract

Material Lot #: 202201064426 Test Date: 07-08-2022
Country of Origin: China Re-Test Date: 07-05-2025

Analysis	Claim	Result
Baicalein	≥98%	98.1%

Test	Specification	Result
Baicalein (HPLC)	≥98%	98.1%
Lead	≤0.5ppm	0.0620 ppm
Mercury	≤0.5ppm	<0.005 ppm
Cadmium	≤0.5ppm	<0.005 ppm
Arsenic	≤0.5 ppm	<0.01 ppm
Total Aerobic Plate Count	<1000 cfu/g	<10 cfu/g
Yeast	<100 cfu/g	<10 cfu/g
Moulds	<100 cfu/g	<10 cfu/g
Escherichia coli	<10 cfu/g	<10 cfu/g
Coliforms	<10 cfu/g	<10 cfu/g
Salmonella	Negative	Negative
Staphylococcus aureus	<10 cfu/g	<10 cfu/g

Baicalein should be stored at or below room temperature in a tightly sealed durable container.
Baicalein should be protected from excess heat, direct sunlight, excess humidity, and moisture.
Baicalein has a retesting period of 3 years from the date of analysis when properly stored.

Baicalein (Skullcap Extract)



Main Benefits

- Baicalein (5,6,7 trihydroxyflavone) is the primary active component from the Baikal Skullcap (Blue Skullcap) and is the aglycone derivative of Baicalin.
- Baicalein has 2-3 times better efficacy (in terms of absorption) than Baicalin and is best known for its antioxidant and circulatory system-supporting effects.
- Anecdotally, some users report mild stress-relief and relaxing effects when using this supplement.

Main Cautions

- Baicalein is considered likely safe for use at the suggested serving size.
- Baicalein may interact with some medications, including alcohol. Do not use this supplement if you have any underlying medical conditions – especially bleeding disorders, diabetes, hormone-sensitive conditions, or low blood pressure. Avoid use for up to 2 weeks before surgery.
- Consult your physician before using Baicalein if you are taking any medication. Baicalein has not been tested for safety in pregnant or breastfeeding women.

Usage Tips

- A 0.625cc (1/8 teaspoon) measuring scoop is included. One level scoop contains approximately one serving of approximately **250mg of Baicalein**. As a dietary supplement, take 1-2 serving up to 3 times per day. Start at the lower suggested quantity to assess response.
- The negative effects of Baicalein are dependent on the amount taken, so use of a scale with 10mg/0.1g accuracy or better is highly recommended.
- Use of capsules, or mixing with tea, yogurt, apple sauce, or oatmeal may help make the powder more tolerable.
- This supplement is not intended to treat, diagnose, prevent, or cure any diseases. Consult your healthcare provider before use if you have a medical condition or if you are taking any prescription medications.
- It is safe to stack Baicalein with other supplements, so long as the amount consumed does not exceed the suggested serving size.
- The benefits of Baicalein are most effective when they are supported by a healthy diet and plenty of exercise.

12 July 2022

Job Number:	26067
PO Number:	Verbal

Synapient LLC
47 West Polk Street #100-241
Chicago, Illinois 60605

REPORT OF ANALYSIS

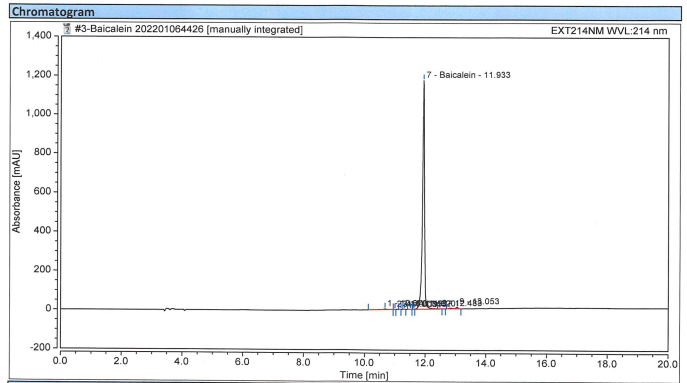
One blue container with powder labeled "BAICALEIN 202201064426" was received on 7 July 2022. A portion of the powder from within the container was analyzed for purity using high pressure liquid chromatography (HPLC). Based on ultraviolet (UV) detection at 214 nm the chromatographic purity of the sample was found to be 98.1%.

The chromatogram is enclosed for your reference.

Chris French, PhD
Principal Scientist

2021 East Fourth Street, Suite 112 Santa Ana, California 92705 (714) 543-2211

Chromatogram and Results			
Injection Details			
Injection Name:	Baicalein 202201064426	Run Time (min):	25.00
Vial Number:	RE2	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	EXT214NM
Calibration Level:		Wavelength:	n.a.
Instrument Method:	AD 250mm MaxRP 25min Purity Method	Bandwidth:	n.a.
Processing Method:	Processing Method	Dilution Factor:	1.0000
Injection Date/Time:	08/Jul/22 12:25	Sample Weight:	1.0000



Integration Results							
No.	Peak Name	Retention Time min	Area mAU*min	Height mAU	Relative Area %	Relative Height %	Amount
1		10.673	0.569	4.002	0.59	0.34	n.a.
2		11.000	0.005	0.096	0.01	0.01	n.a.
3		11.197	0.003	0.000	0.00	0.00	n.a.
4		11.313	0.010	0.196	0.01	0.02	n.a.
5		11.507	0.023	0.318	0.02	0.03	n.a.
6		11.620	0.009	0.240	0.01	0.02	n.a.
7	Baicalein	11.933	94.006	1170.906	98.10	98.79	n.a.
8		12.483	0.017	0.224	0.02	0.02	n.a.
9		13.053	1.184	9.317	1.24	0.79	n.a.
Total:			95.827	1185.299	100.00	100.00	

Report Template/Integration

Chromaleon (c) Dionex
Version 7.2.10.23925

Eurofins Microbiology Laboratories (New Berlin)

2345 S. 170th St.
New Berlin, Wisconsin 53151
+1 262 754 5300
Micro-MKE@EurofinsUS.com

Synapient

Quality Control Department (COA)
425 BARCLAY BOULEVARD
Lincolnshire, IL 60069

ANALYTICAL REPORT

AR-22-QH-038847-01

Client Code: QH0000902
PO#: 202201064426

Received On: 07/Jul/2022
Reported On: 14/Jul/2022

Synapient

Quality Control Department (COA)
425 BARCLAY BOULEVARD
Lincolnshire, IL 60069

ANALYTICAL REPORT

AR-22-QH-038847-01

Client Code: QH0000902
PO#: 202201064426

Received On: 07/Jul/2022
Reported On: 14/Jul/2022

Eurofins Sample Code: 477-2022-07070232	Sample Registration Date: 07/Jul/2022
Client Sample Code: 202201064426	Condition Upon Receipt: acceptable, 22°C
Sample Description: Baicalein	Sample Reference:

UMIB1 - Yeast - FDA BAM Chapter 18 mod.	Reference FDA BAM Chapter 18 mod.	Accreditation ISO/IEC 17025:2017 A2LA 3329.07	Completed 12/Jul/2022
Parameter Yeast	Result < 10 cfu/g		
Parameter Moulds	Result < 10 cfu/g		

UMVSE - Aerobic Plate Count - CMMEF Chapter 8.72	Reference CMMEF Chapter 8.72	Accreditation ISO/IEC 17025:2017 A2LA 3329.07	Completed 09/Jul/2022
Parameter Aerobic Plate Count	Result < 10 cfu/g		

Subcontracting partners:
1 - Eurofins Food Chemistry Testing US Madison, WI

Respectfully Submitted,

Patricia Quinn

Patricia Quinn
Associate Project Manager I



Results shown in this report relate solely to the item submitted for analysis. | Any opinions/interpretations expressed on this report are given independent of the laboratory's scope of accreditation. | All results are reported on an "As Received" basis unless otherwise stated. | Reports shall not be reproduced except in full without written permission of Eurofins Scientific, Inc. | All work done in accordance with Eurofins General Terms and Conditions of Sale: www.eurofinsus.com/terms_and_conditions.pdf | v Indicates a subcontract test to a different lab. Lab(s) are listed at end of the report. For further details about the performing labs please contact your customer service contact at Eurofins. Measurement of uncertainty can be obtained upon request.