



Certificate of Analysis

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



Baicalein

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

Material Lot #: BA-21967 Test Date: 04-24-2023
Country of Origin: China Re-Test Date: 04-21-2026

Analysis	Claim	Result
Baicalein	≥98%	98.4%

Test	Specification	Result
Baicalein (HPLC)	≥98%	98.4%
Lead	≤0.5ppm	0.0335 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	<500 cfu/g	<10 cfu/g
Moulds	<500 cfu/g	330 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.



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Synaptent

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

ANALYTICAL REPORT

AR-23-QH-027282-01

Client Code: QH0000902
PO#: BA-21967

Received On: 21Apr2023
Reported On: 28Apr2023

Table with 4 columns: Eurofins Sample Code, Client Sample Code, Sample Description, Sample Registration Date, Condition Upon Receipt, Sample Reference.

Table with 5 columns: FS001 - Heavy Metals (As, Cd, Hg, and Pb), Reference, Accreditation, Completed, Sub.

Table with 2 columns: Parameter, Result. Rows for Arsenic, Cadmium, Lead, Mercury.

Table with 4 columns: UM8VD - Total Coliforms - CMMEF Chapter 9.933, Reference, Accreditation, Completed.

Table with 2 columns: Parameter, Result. Rows for Coliforms, Escherichia coli.

Table with 4 columns: UMDTC - Salmonella species - AOAC-RI 121501, Reference, Accreditation, Completed.

Table with 2 columns: Parameter, Result. Row for Salmonella.

Table with 4 columns: UMHBM - Staphylococcus aureus - BAM Chapter 12, Reference, Accreditation, Completed.

Table with 2 columns: Parameter, Result. Row for Staphylococcus aureus.

ANALYTICAL REPORT

Synaptent

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

AR-23-QH-027282-01

Client Code: QH0000902

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Received On: 21Apr2023

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Table with 4 columns: Eurofins Sample Code, Client Sample Code, Sample Description, Sample Registration Date, Condition Upon Receipt, Sample Reference.

Table with 4 columns: UMIB1 - Yeast - FDA BAM Chapter 18 mod., Reference, Accreditation, Completed.

Table with 2 columns: Parameter, Result. Rows for Yeast, Moulds.

Table with 4 columns: UMVSE - Aerobic Plate Count - CMMEF Chapter 8.72, Reference, Accreditation, Completed.

Table with 2 columns: Parameter, Result. Row for Aerobic Plate Count.

Subcontracting partners:

1 - Eurofins Food Chemistry Testing US Madison, WI

Respectfully Submitted,



Handwritten signature of Christine Gwinn

Christine Gwinn
Associate Technical Leader

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...



Quality Control Department
Synaptent LLC
47 W Polk St. #100-241
Chicago, IL 60605

Received: 04/24/23
Reported: 04/25/23
Project#: 26524
PO Number: Verbal

Analysis Report: Baicalein BA-21967

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REPORT OF ANALYSIS

One blue jar of powder labeled "Baicalein BA-21967" was received on 24 April 2023.

A portion of the powder was analyzed for purity using high-pressure liquid chromatography (HPLC) with UV detection at 214 nm. The chromatographic purity of the sample was found to be 98.4%.

The chromatogram is enclosed for your reference.

Jordan Farmer

Jordan Farmer, B.S.
Scientist

Table with 3 columns: Injection Name, Baicalein BA-21967 100ppm; Run Time (min): 24.00; Injection Volume: 10.00; Channel: EXT214NM; Injection Type: Unknown; Calibration Level: Baicalein Purity Method; Instrument Method: Baicalein Purity Method; Processing Method: Processing Method; Injection Date/Time: 24/Apr/23 16:51; Sample Weight: 1.0000.

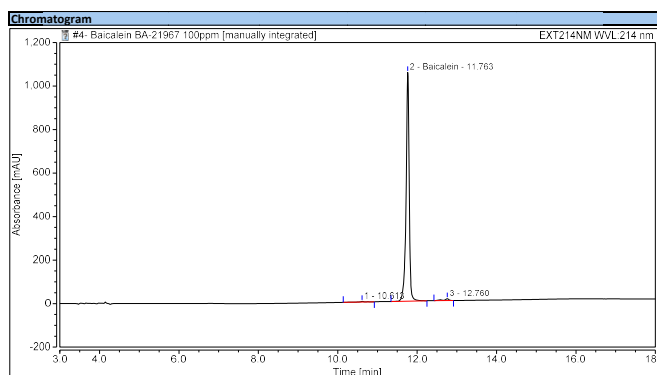


Table with 7 columns: No., Peak Name, Retention Time min, Area mAU*min, Height mAU, Relative Area %, Relative Height %, Amount. Row 1: Baicalein, 11.763, 96.849, 1051.341, 98.35, 98.93, n.a.