



# Certificate of Analysis

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## Baicalein

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

Material Lot #: 20231106 Test Date: 12-22-2023  
Country of Origin: China Re-Test Date: 12-07-2026

Analysis	Claim	Result
Baicalein	≥98%	98.6%

Test	Specification	Result
Baicalein (HPLC)	≥98%	98.6%
Lead	≤2 ppm	0.0152 ppm
Mercury	≤0.5 ppm	<0.005 ppm
Cadmium	≤0.5 ppm	<0.005 ppm
Arsenic	≤2 ppm	<0.01 ppm
Total Aerobic Plate Count	<10000 cfu/g	<10 cfu/g
Yeast	<500 cfu/g	<10 cfu/g
Moulds	<500 cfu/g	50 (est) 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.



### 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, or approximately **250mg of Baicalein**. As a dietary supplement, take 1-2 servings 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. Use of a scale with 10mg/0.01g accuracy or better is highly recommended.
- Use of capsules, or mixing with tea, yogurt, apple sauce, or oatmeal may help make the powder easier to consume.
- 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.

**ANALYTICAL REPORT**

AR-23-QH-080002-01

Received On: 08Dec2023  
Reported On: 17Dec2023

**ANALYTICAL REPORT**

AR-23-QH-080002-01

Received On: 08Dec2023  
Reported On: 17Dec2023

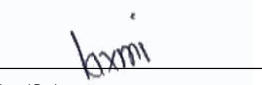
<b>Eurofins Sample Code:</b> 477-2023-12080060	<b>Sample Registration Date:</b> 08Dec2023
<b>Client Sample Code:</b> 20231106	<b>Condition Upon Receipt:</b> acceptable, 19.5°C
<b>Sample Description:</b> Baicalein	<b>Sample Reference:</b> 20231106

<b>UMVSE - Aerobic Plate Count - CMMEF Chapter 8.72</b>	<b>Reference</b> CMMEF Chapter 8.72	<b>Accreditation</b> ISO/IEC 17025:2017 A2LA 3329.07	<b>Completed</b> 10Dec2023
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<b>Parameter</b>	<b>Result</b>
Aerobic Plate Count	< 10 cfu/g

<b>ZMKZR - Total Coliforms - CMMEF Chapter 9.933</b>	<b>Reference</b> CMMEF Chapter 9.933	<b>Completed</b> 09Dec2023
<b>Parameter</b>	<b>Result</b>	
Total Coliforms	< 10 cfu/g	
E. coli	< 10 cfu/g	

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

Respectfully Submitted,  
  
  
Laxmi Devi  
Scientist I



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**REPORT OF ANALYSIS**

One jar of powder labeled "Baicalein Lot# 20231106" was received on 11 December 2023.

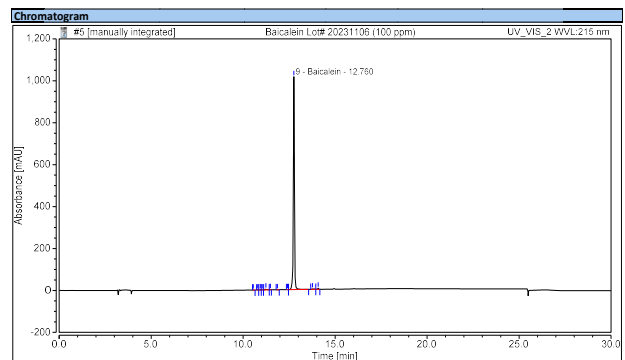
A portion of the powder inside the jar was analyzed for purity using high-pressure liquid chromatography (HPLC) with ultraviolet (UV) detection at 215 nm. The chromatographic purity of the sample was found to be 98.6%.

The chromatogram is enclosed for your reference.

*Jordan Farmer*

Jordan Farmer, B.S.  
Scientist

Injection Details			
Injection Name:	Baicalein Lot# 20231106 (100 ppm)	Run Time (min):	30.00
Vial Number:	GB4	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	UV_VIS_2
Calibration Level:		Wavelength:	195.0
Instrument Method:	MaxRP Purity Method	Bandwidth:	5
Processing Method:	Processing Method	Dilution Factor:	1.0000
Injection Date/Time:	18/Dec/23 17:44	Sample Weight:	1.0000



No.	Peak Name	Retention Time (min)	Area (mAU*min)	Height (mAU)	Relative Area (%)	Relative Height (%)	Amount (µg/ml)
1		10.550	0.007	0.319	0.01	0.01	n.a.
2		10.790	0.008	0.160	0.01	0.02	n.a.
3		10.927	0.035	0.615	0.05	0.06	n.a.
4		11.040	0.017	0.308	0.02	0.03	n.a.
5		11.233	0.263	3.856	0.38	0.37	n.a.
6		11.480	0.024	0.439	0.03	0.04	n.a.
7		11.850	0.012	0.171	0.02	0.02	n.a.
8		12.413	0.013	0.232	0.02	0.02	n.a.
9	Baicalein	12.760	68.596	1015.145	98.55	98.67	n.a.
10		13.770	0.285	2.412	0.41	0.23	n.a.
11		14.080	0.339	5.335	0.49	0.52	n.a.
<b>Total:</b>			<b>69.603</b>	<b>1028.793</b>	<b>100.00</b>	<b>100.00</b>	