



# Certificate of Analysis

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LiftMode

## Baicalein

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

Material Lot #: 20021810      Test Date: 11-30-2022  
Country of Origin: China      Re-Test Date: 11-27-2025

Analysis	Claim	Result
Baicalein	≥98%	98.1%

Test	Specification	Result
Baicalein (HPLC)	≥98%	98.1%
Lead	≤0.5ppm	0.0154 ppm
Mercury	≤0.5ppm	<0.005 ppm
Cadmium	≤0.5ppm	<0.005 ppm
Arsenic	≤0.5 ppm	<0.01 ppm
<b>Total Aerobic Plate Count</b>	<b>&lt;1000 cfu/g</b>	<b>&lt;10 cfu/g</b>
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.

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**ANALYTICAL REPORT**

AR-22-QH-071446-01

Client Code: QH0000902  
PO#: 20221114

Received On: 30Nov2022  
Reported On: 07Dec2022

Synaptent

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Lincolnshire, IL 60069

**ANALYTICAL REPORT**

AR-22-QH-071446-01

Client Code: QH0000902  
PO#: 20221114

Received On: 30Nov2022  
Reported On: 07Dec2022

<b>Eurofins Sample Code:</b> 477-2022-11300035	<b>Sample Registration Date:</b> 30Nov2022
<b>Client Sample Code:</b> 20021810	<b>Condition Upon Receipt:</b> acceptable, 16.5°C
<b>Sample Description:</b> Baicalein	<b>Sample Reference:</b>

<b>UMB1 - Yeast - FDA BAM Chapter 18 mod.</b>	<b>Reference:</b> FDA BAM Chapter 18 mod.	<b>Accreditation:</b> ISO/IEC 17025:2017 A2LA 3329.07	<b>Completed:</b> 05Dec2022
<b>Parameter:</b> Yeast	<b>Result:</b> < 10 cfu/g		
<b>Parameter:</b> Moulds	<b>Result:</b> < 10 cfu/g		

<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> 02Dec2022
<b>Parameter:</b> Aerobic Plate Count	<b>Result:</b> < 10 cfu/g		

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

Respectfully Submitted,

Bryan Dieckelman  
Laboratory Operations Manager



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.eurofins.com/terms\\_and\\_conditions.pdf](http://www.eurofins.com/terms_and_conditions.pdf) | \ 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.

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47 West Polk Street #100-241  
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Received: 11/30/22  
Reported: 12/09/22  
Project#: 26303c  
PO Number: Verbal

**Analysis Report: Purity of Baicalein 20021810**

This report shall not be reproduced, except in full, without written permission from Eurofins SF Analytical Laboratories. Test results pertain only to those items tested. All samples were in good condition when received by the lab unless otherwise noted. Any conclusions offered in this report are to be considered the opinion and interpretation of the authoring scientist(s) and should be given appropriate review.

**REPORT OF ANALYSIS**

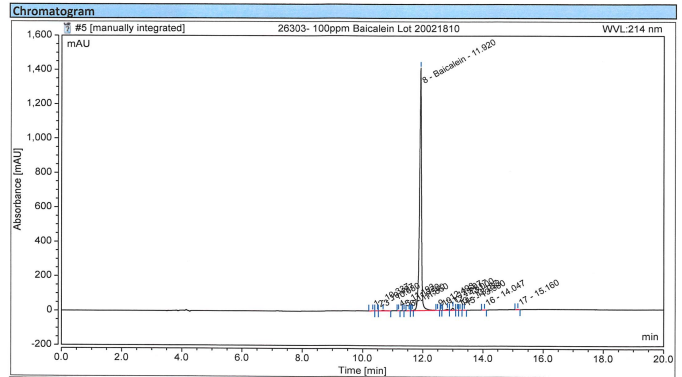
One container with powder labeled "Baicalein 20021810" was received on 30 November 2022. A portion of the powder from within the container was analyzed for purity using high-pressure liquid chromatography (HPLC). Based on ultraviolet (UV) detection at 214 nm the chromatographic purity of the sample was found to be 98.1%.

The chromatogram is enclosed for your reference.

Chris French, PhD  
Principal Scientist

**Chromatogram and Results**

<b>Injection Details</b>		
<b>Injection Name:</b>	26303- 100ppm Baicalein Lot 20021810	<b>Run Time (min):</b> 24.00
<b>Vial Number:</b>	BA4	<b>Injection Volume:</b> 10.00
<b>Injection Type:</b>	Unknown	<b>Channel:</b> EXT214NM
<b>Calibration Level:</b>	Unknown	<b>Wavelength:</b> n.a.
<b>Instrument Method:</b>	AD 250mm MaxRP 24min	<b>Bandwidth:</b> n.a.
<b>Processing Method:</b>	Baicalein Method	<b>Dilution Factor:</b> 1.0000
<b>Injection Date/Time:</b>	30/Nov/22 19:23	<b>Sample Weight:</b> 1.0000



<b>Integration Results</b>							
No.	Peak Name	Retention Time min	Area mAU*min	Height mAU	Relative Area %	Relative Height %	Amount
1		10.337	0.060	0.815	0.06	0.06	n.a.
2		10.497	0.007	0.085	0.01	0.01	n.a.
3		10.680	0.334	3.918	0.31	0.27	n.a.
4		11.193	0.004	0.070	0.00	0.00	n.a.
5		11.370	0.002	0.000	0.00	0.00	n.a.
6		11.540	0.021	0.380	0.02	0.03	n.a.
7		11.650	0.031	0.749	0.03	0.05	n.a.
8	Baicalein	11.920	106.328	1406.950	98.14	98.06	n.a.
9		12.493	0.013	0.232	0.01	0.02	n.a.
10		12.607	0.003	0.095	0.00	0.01	n.a.
11		12.817	0.485	6.339	0.45	0.44	n.a.
12		13.000	0.914	13.097	0.84	0.91	n.a.
13		13.157	0.007	0.118	0.01	0.01	n.a.
14		13.233	0.011	0.188	0.01	0.01	n.a.
15		13.380	0.030	0.497	0.03	0.03	n.a.
16		14.047	0.033	0.419	0.03	0.03	n.a.
17		15.160	0.061	0.819	0.06	0.06	n.a.
<b>Total:</b>			<b>108.345</b>	<b>1434.771</b>	<b>100.00</b>	<b>100.00</b>	