

# LIFTMODE

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

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## CERTIFICATE OF ANALYSIS

### Baicalein

(5,6,7-trihydroxyflavone)

Material Lot #: 20021810  
Country of Origin: China

Manufacturer Analysis Date: 02/18/2020  
Analysis Date: 06/20/2020  
Retesting Date: 06/20/2023

Analysis	Claim	Result
Baicalein	≥98%	99.5%

Test	Specification	Result
H-NMR ID	Conforms	Conforms
HPLC Assay	≥98%	99.5%
Arsenic	≤1 ppm	<0.03 ppm
Lead	≤1 ppm	0.26 ppm
Cadmium	≤1 ppm	<0.01 ppm
Mercury	≤1 ppm	<0.01 ppm
Total Aerobic Count	<1000 cfu/g	Conforms
Yeast & Mold	<100 cfu/g	Conforms
E.coli	<10 cfu/g	Conforms
Salmonella	Negative	Conforms
Coliform	<10 cfu/g	Conforms

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.



## Certificate of Analysis


**Client:**  
Synaptent LLC  
47 W Polk Street, 100-241  
Chicago, IL 60654

**Sample Collected By:** Client

Product Name	Baicalein	Product Lot Number	20021810
Report Date	06/20/20	Laboratory Number	20060410

Description	Method	Result
Identification	H-NMR	Conforms
Assay	HPLC	99.5%
Lead	ICP-MS	0.26 ppm
Arsenic	ICP-MS	<0.03 ppm
Cadmium	ICP-MS	<0.01 ppm
Mercury	ICP-MS	<0.01 ppm
Total Aerobic Count	Biolumix	<100 cfu/g
Yeast & Mold	Biolumix	<100 cfu/g
E. Coli	Biolumix	<10 cfu/g
Coliform	Biolumix	<10 cfu/g
Salmonella	Biolumix	Absent

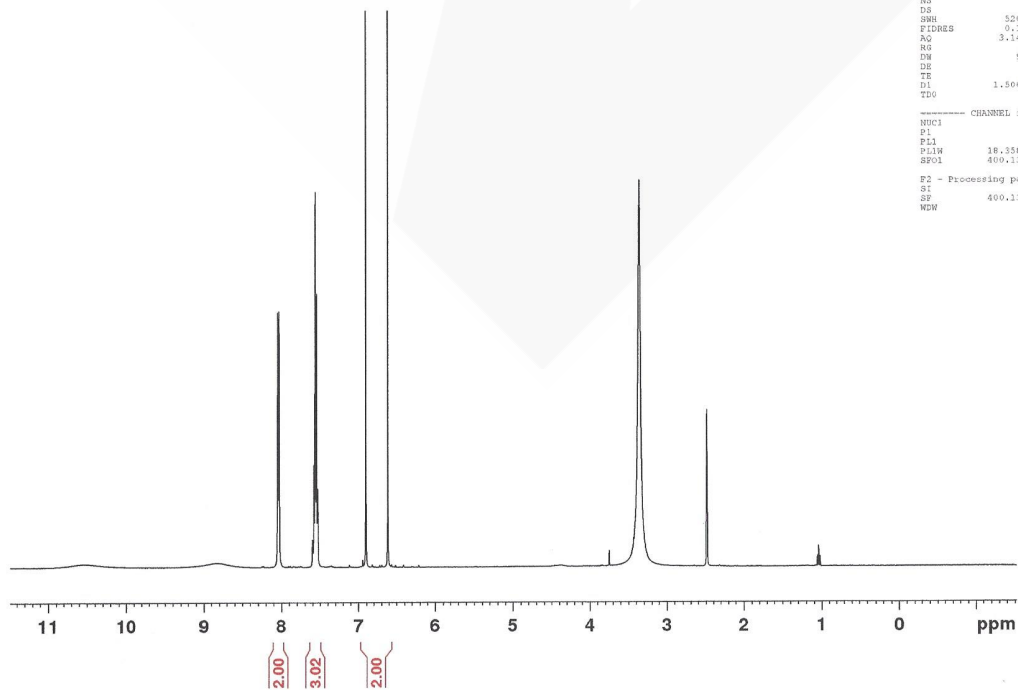
Collin Thomas   
Laboratory Manager

06/20/2020   
Date

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Tel: 615-239-8604

MT 0615120  
1H NMR of Baicalin Baicalin  
in DMSO  
Lot # 20060410  
Colmaric Analytical  
400 MHz  
6-15-20



Current Data Parameters  
NAME Jun15-2020-colmaric  
EXPNO 2  
PROCNO 1

F2 - Acquisition Parameters  
Date\_ 20200615  
Time 19.18  
INSTRUM spect  
PROBHD 5 mm PABBO BB-  
PULPROG zg30  
TD 32768  
SOLVENT DMSO  
NS 32  
DS 9  
SWH 5208.333 Hz  
FIDRES 0.158946 Hz  
AQ 3.1457261 sec  
RG 181  
DM 96.000 usec  
DE 25.61 usec  
TE 298.0 K  
D1 1.5000000 sec  
TD0 1

----- CHANNEL f1 -----  
NUC1 1H  
P1 11.38 usec  
PI1 2.50 dB  
PL1W 18.3586958 W  
SFO1 400.1320007 MHz

F2 - Processing parameters  
SI 32768  
SF 400.1300007 MHz  
WDW EM