

# LIFTMODE

LIFTMODE  
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Chicago, IL 60605

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## CERTIFICATE OF ANALYSIS

### Apigenin

(*Chamaemelum nobile extract*)

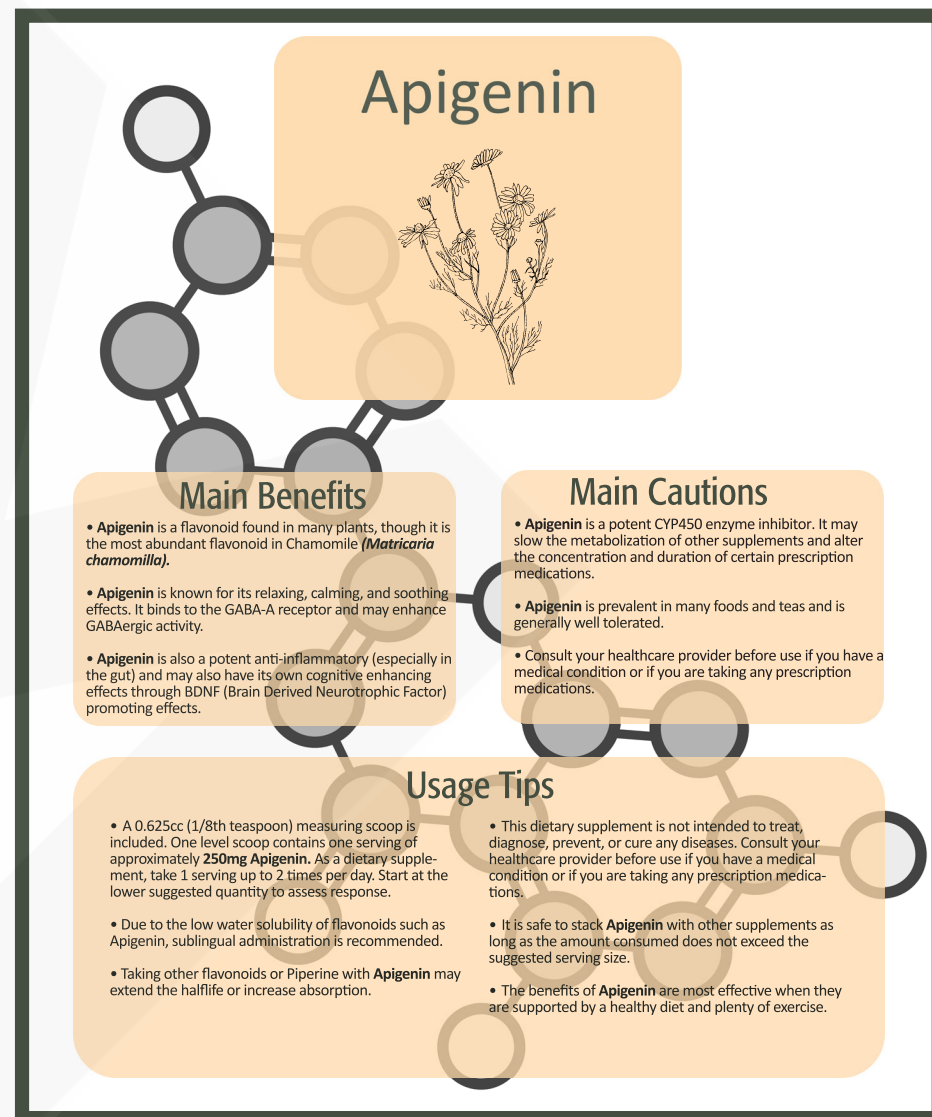
Material Lot #: 20456  
Country of Origin: China

Analysis Date: 10/12/2020  
Retesting Date: 10/12/2023

Analysis	Claim	Result
Apigenin	≥98%	98.3%

Test	Specification	Result
HNMR ID HPLC Assay	Conforms ≥98%	Conforms 98.3%
ICP-MS Arsenic Lead Cadmium Mercury	≤1.5 ppm ≤0.5 ppm ≤0.5 ppm ≤0.5 ppm	<0.001 ppm 0.045 ppm <0.001 ppm 0.025 ppm
Total Aerobic Count Yeast & Mold Coliform <i>E. coli</i> Salmonella	<1000 cfu/g <100 cfu/g <10 cfu/g Negative Negative	Conforms Conforms Conforms Conforms Conforms

Apigenin should be stored at or below room temperature in a tightly sealed durable container. Apigenin should be protected from excess heat, direct sunlight, excess humidity, and moisture. Apigenin 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	Apigenin	Product Lot Number	20456
Report Date	10/12/20	Laboratory Number	20080812

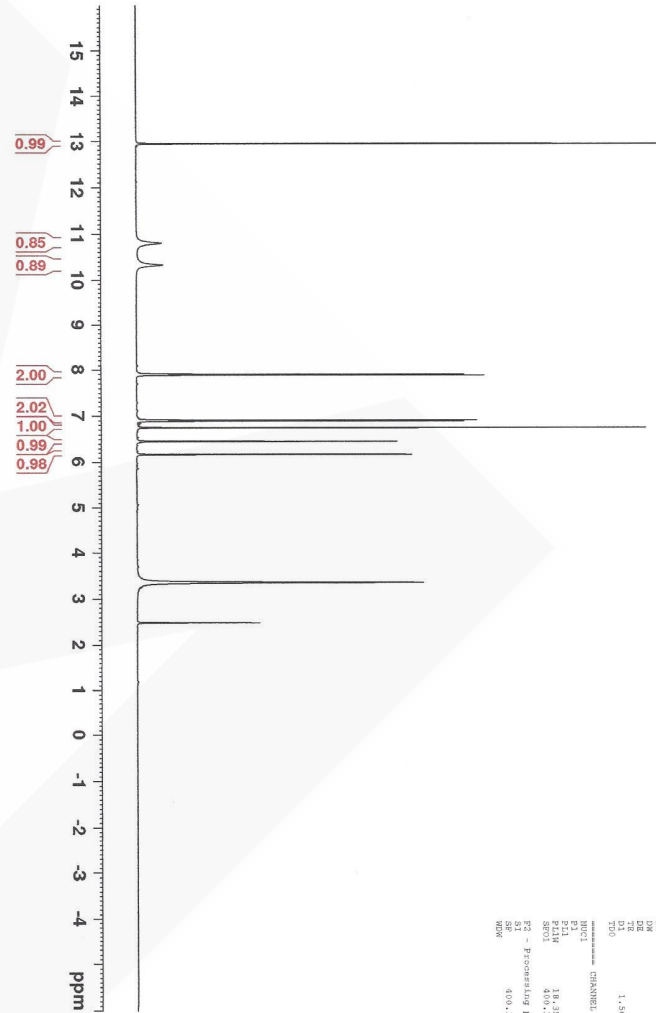
Description	Method	Specification	Results
Identification	H-NMR	Conforms	Conforms
Assay	HPLC	NLT 98%	98.3%
Lead	ICP-MS	<1.0 ppm	0.045 ppm
Arsenic	ICP-MS	<1.0 ppm	<0.001 ppm
Cadmium	ICP-MS	<1.0 ppm	<0.001 ppm
Mercury	ICP-MS	<1.0 ppm	0.025 ppm
Total Aerobic Count	Biolumix	<1,000 cfu/g	<1,000 cfu/g
Yeast & Mold	Biolumix	<100 cfu/g	<100 cfu/g
E. Coli	Biolumix	Absent	Absent
Coliform	Biolumix	<10 cfu/g	<10 cfu/g
Salmonella	Biolumix	Absent	Absent

Collin Thomas *[Signature]*  
 Laboratory Manager

10/12/2020 *10/12/20*  
 Date

The result(s) stated in this report is only for the sample submitted. This report may not be reproduced in whole or in part, nor may any reference be made to the work, the result, or the company in any news release, public announcements or advertising without our prior written consent.

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1H NMR of Apigenin  
 in DMSO  
 Lot # 20080812  
 Colmaric Analytical  
 400 MHz  
 8-20-20

```

Current Data Parameters
NAME: Apigenin-2020-0812
EXPNO: 1
PROCNO: 1
Date_ Acquisition: 20200820
Time: 16:24:40
INSTRUM: spect
PROBHD: 5 mm QNP5B HNP
P1: 12.000000
TI: 0.050000
SFO: 400.1500007 MHz
NUC1: 13C
NUC2: 1H
P2: 0.200000
PC: 1.000000
RG: 327.68
AQ: 0.031250
RG2: 327.68
SI: 32768
SF: 400.1500007 MHz
WDW: EM
SSB: 0
LB: 1.500000 Hz
GB: 0
PC: 0
  
```