LIFTMODE

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CERTIFICATE OF ANALYSIS

Apigenin

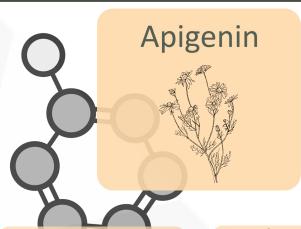
(Chamaemelum nobile extract)

Material Lot #: 20456 Analysis Date: 10/12/2020 Country of Origin: China Retesting Date: 10/12/2023

Analysis	Claim	Result
Apigenin	≥98%	98.3%

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



Main Benefits

- Apigenin is a flavonoid found in many plants, though it is the most abundant flavonoid in Chamomile (*Matricaria chamomilla*).
- Apigenin is known for its relaxing, calming, and soothing effects. It binds to the GABA-A receptor and may enhance GABAergic activity.
- Apigenin is also a potent anti-inflammatory (especially in the gut) and may also have its own cognitive enhancing effects through BDNF (Brain Derived Neurotrophic Factor) promoting effects.

Main Cautions

- Apigenin is a potent CYP450 enzyme inhibitor. It may slow the metabolization of other supplements and alter the concentration and duration of certain prescription medications.
- Apigenin is prevalent in many foods and teas and is generally well tolerated.
- Consult your healthcare provider before use if you have a medical condition or if you are taking any prescription medications.

Usage Tips

- A 0.625cc (1/8th teaspoon) measuring scoop is included. One level scoop contains one serving of approximately 250mg Apigenin. As a dietary supplement, take 1 serving up to 2 times per day. Start at the lower suggested quantity to assess response.
- Due to the low water solubility of flavonoids such as Apigenin, sublingual administration is recommended.
- Taking other flavonoids or Piperine with **Apigenin** may extend the halflife or increase absorption.
- This dietary 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 **Apigenin** with other supplements as long as the amount consumed does not exceed the suggested serving size.
- The benefits of **Apigenin** are most effective when they are supported by a healthy diet and plenty of exercise.



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 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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