



LIFTMODE
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CERTIFICATE OF ANALYSIS

Fisetin

(7,3',4'-flavon-3-ol)

Material Lot #: 191016014801
Country of Origin: China

Manufacturer Analysis Date: 12/02/2019
Analysis Date: 04/13/2020
Retesting Date: 04/13/2023

Analysis	Claim	Result
Name	≥98%	98.2%

Test	Specification	Result
HNMR ID	Conforms	Conforms
HPLC Assay	≥98%	98.2%
ICP-MS		
Arsenic	≤1.5 ppm	0.050 ppm
Lead	≤0.5 ppm	0.131 ppm
Cadmium	≤0.5 ppm	0.015 ppm
Mercury	≤0.5 ppm	<0.001 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

Fisetin should be stored at or below room temperature in a tightly sealed durable container.
Fisetin should be protected from excess heat, direct sunlight, excess humidity, and moisture.
Fisetin 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	Fisetin	Product Lot Number	191016014801
Report Date	04/13/20	Laboratory Number	20040067

Description	Method	Result
Identification	H-NMR	Conforms
Fisetin	HPLC	98.2%
Lead	ICP-MS	0.131 ppm
Arsenic	ICP-MS	0.050 ppm
Cadmium	ICP-MS	0.015 ppm
Mercury	ICP-MS	<0.001 ppm
Total Aerobic Count	Biolumix	<1,000 cfu/g
Yeast and Mold	Biolumix	<100 cfu/g
E. Coli	Biolumix	Absent
Coliform	Biolumix	<10 cfu/g
Salmonella	Biolumix	Absent

Collin Thomas
Laboratory Manager

04/13/2020
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.

812 Meadow Lark Lane, Goodlettsville, TN 37072
Tel: 615-239-8604

Main Benefits

- Fisetin (7,3',4'-flavon-3-ol) is an anti-inflammatory flavonoid related to quercetin and is found in a variety of fruits and vegetables.
- Some evidence suggests that Fisetin has anti-aging properties and senolytic effects. A senolytic agent is a compound that induces death in aging cells.
- Like related flavonoids, Fisetin directly inhibits the activity of pro-inflammatory cytokines such as TNF α , NF- κ B, and IL6.

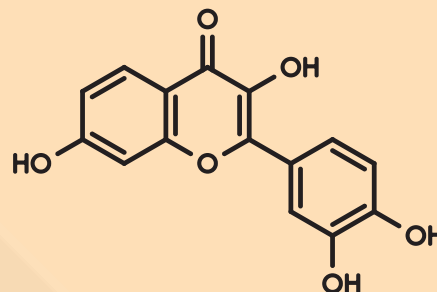
Main Cautions

- Fisetin is a potent CYP450 inhibitor and should not be mixed with many medications. It has many of the same interactions as grapefruit.
- Fisetin is in many fruits and vegetables and is very well tolerated, even at higher doses. Caution is still advised.
- Consult your physician before using Fisetin if you are taking any medication.

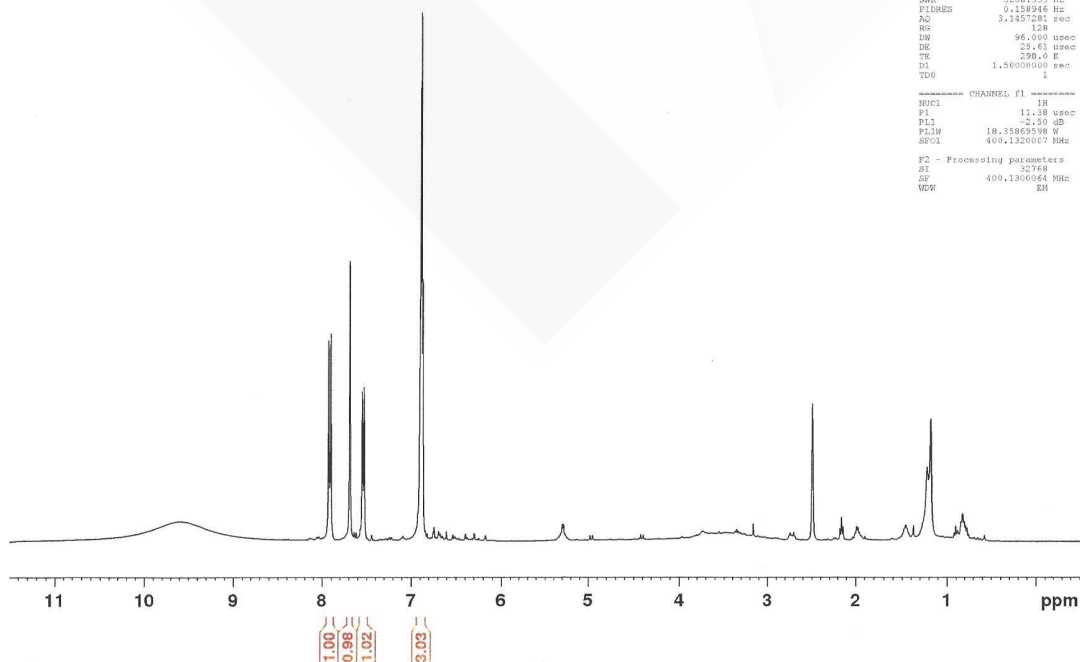
Usage Tips

- A 0.625cc (1/8th teaspoon) measuring scoop is included. One level scoop contains approximately one serving of **250mg Fisetin**. As a dietary supplement, take 1 serving up to 2 times per day. Start at the lower suggested quantity to assess response.
- There are no known negative side effects attributed to Fisetin, but caution is still advised for those taking other drugs or supplements that are metabolized by **the CYP450 enzyme class**.
- Some recommend cycling Fisetin or taking it for several weeks at a time before breaks.
- 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 Fisetin with other supplements as long as the amount consumed does not exceed the suggested serving size.
- The benefits of Fisetin are most effective when they are supported by a healthy diet and plenty of exercise.

Fisetin



**¹H NMR of Fisetin
in DMSO
Lot #20040067
Colmaric Analytical
400 MHz
n4-03-20**



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Current Data Parameters
NAME      Apr03-2020-colmaric
EXPNO     9
PROCNO    1

F2 - Acquisition Parameters
Date_     20200403
Time      12.13
INSTRUM    spect
PROBHD     5 mm PABBO BB-
PULPROG    zgpg
TD          32768
SOLVENT    DMSO
NS          32
DS          0
SWH         8208.833 Hz
FIDRES     0.158946 Hz
AQ          3.1457281 sec
RG          128
DN          96.060 usec
DE          25.53 usec
TE          298.0 K
D1          1.56000000 sec
TD0         1

===== CHANNEL f1 =====
NUC1       1H
P1         11.18 usec
PL1        -2.50 dB
PL12       18.3580558 dB
SFO1       400.1320007 MHz

F2 - Processing parameters
SI         32768
SF         400.1300944 MHz
WDW        EM
    
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