

Certificate of Analysis

47 W Polk St. STE 100-241 Chicago, IL 60605 liftmode@liftmode.com

Lift \\ode

Fisetin

⊘ 7,3',4'-flavon-3-ol

191016014801 Material Lot #:

Test Date:

09-07-2022

Country of Origin: China

Re-Test Date:

09-04-2025

Analysis

Claim

Result

Fisetin

≥85%

87.1%

Test	Specification	Result	
Fisetin (HPLC)	≥85%	87.1%	
Lead Mercury	≤0.5ppm ≤0.5ppm	0.207 ppm <0.005 ppm	
Cadmium	≤0.5ppm	0.0205 ppm	
Arsenic	≤0.5 ppm	0.108 ppm	
Total Aerobic Plate Count	<1000 cfu/g	<10 cfu/g	
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	

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.

Fisetin

Main Benefits

- Fisetin (7,3',4'-flavon-3-ol) is a plant polyphenol and flavonoid compound related to quercetin and is found in a variety of fruits and vegetables.
- · Fisetin has been extensively studied for its powerful antioxidant and health-promoting benefits.
- · Recent studies have examined potential neuroprotective and immune-supportive effects of

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
- Consult your physician before using Fisetin if you are taking any medication. There is not enough data to say whether Fisetin is safe for pregnant or breastfeeding women, or if it can be used by children, and therefore should be avoided.

Usage Tips

- A 0.625cc (1/8th teaspoon) measuring scoop is included. One rounded 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
- 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



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Synaptent

Quality Control Department (COA) 425 BARCLAY BOULEVARD Lincolnshire, IL 60069

ANALYTICAL REPORT

AR-22-QH-052226-01

Client Code: QH0000902 PO#: 191016014801

Received On: 06Sep2022 Reported On: 13Sep2022

Client Sample Code: 19	77-2022-0906017 91016014801 isetin	3	Condition Upon Recei Sample Reference:	ipt: acceptable, 20.4°C		
FS001 - Heavy Metals (As, 0 Pb)		Reference AOAC 2011.19, (modified)	993.14 and 2015.01	Accreditation	Completed 13Sep2022	Sub 1
Parameter Arsenic		Result 108 ppb				
Cadmium		20.5 ppb				
Lead		207 ppb				
Mercury		<5.00 ppb				
UM8VD - Total Coliforms - 0 Chapter 9.933		Reference CMMEF Chapter	r 9.933	Accreditation ISO/IEC 17025:2017 A2LA 3329.07	Completed 07Sep2022	
Parameter Coliforms		Result < 10 cfu/g				
Parameter Escherichia coli		Result < 10 cfu/g				
UMDTC - Salmonella spp 121501		Reference AOAC-RI 12150	1	Accreditation ISO/IEC 17025:2017 A2LA 3329.07	Completed 07Sep2022	
Parameter Salmonella		Result Not Detected p	per 25 g			
UMHBM - Staphylococcus a Chapter 12		Reference BAM Chapter 12	!	Accreditation ISO/IEC 17025:2017 A2LA 3329.07	Completed 08Sep2022	
Parameter Staphylococcus aureus		Result < 10 cfu/g				
UMIB1 - Yeast - FDA BAM C mod.		Reference FDA BAM Chapt	er 18 mod.	Accreditation ISO/IEC 17025:2017	Completed 12Sep2022	

A2LA 3329.07 Page 1 of 2



8 September 2022

Job Number:	26196
PO Number:	Verbal

Synaptent LLC 47 West Polk Street #100-241 Chicago, Illinois 60605

REPORT OF ANALYSIS

One blue container with powder labeled "FISETIN 191016014801" was received on 6 September 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 195 nm the chromatographic purity of the sample was found to be 87.1%.

The chromatogram is enclosed for your reference.

Chris French, PhD

Synaptent

Quality Control Department (COA) 425 BARCLAY BOULEVARD Lincolnshire, IL 60069

ANALYTICAL REPORT

AR-22-QH-052226-01

Client Code: QH0000902 PO#: 191016014801

Received On: 06Sep2022

Eurofins Sample Code: Client Sample Code: Sample Description:	477-2022-09060 ⁻ 191016014801 Fisetin	Conditio	Registration Da on Upon Receip Reference:	te: 06Sep2022 t: acceptable, 20.4°C	
UMIB1 - Yeast - FDA BAN mod.	M Chapter 18	Reference FDA BAM Chapter 18 moo	d. I	Accreditation SO/IEC 17025:2017 A2LA 3329.07	Completed 12Sep2022

Parameter Result < 10 cfu/g Parameter Moulds < 10 cfu/g

UMVSE - Aerobic Plate Count - CMMEF Chapter 8.72 Reference CMMEF Chapter 8.72 Accreditation ISO/IEC 17025:2017 A2LA 3329.07

Parameter Aerobic Plate Count < 10 cfu/g

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

Respectfully Submitted,

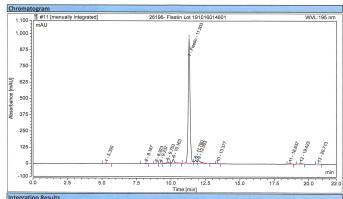
Patricia Quinn Associate Project Manager I

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Instrument:Annex-2 Sequence:26195, 26196- CRL-40,940 and Fisetin Purities

Chromatogram and Results					
njection Details					
Injection Name:	26196- Fisetin Lot 191016014801	Run Time (min):	27.00		
Vial Number:	GA2	Injection Volume:	10.00		
Injection Type:	Unknown	Channel:	UV VIS 1		
Calibration Level:		Wavelength:	195		
Instrument Method:	AD 250mm MaxRP 27min Fisetin Purity Method	Bandwidth:	5		
Processing Method:	Processing Method	Dilution Factor:	1.0000		
Injection Date/Time:	07/Sep/22 15:47	Sample Weight:	1.0000		



No.	gration Results						
NO.	Peak Name	Retention Time	Area	Height	Relative Area	Relative Height	Amount
		min	mAU*min	mAU	%	%	
		5.300	0.278	1.115	0.16	0.10	n.a.
		8.187	0.896	4.720	0.52	0.44	n.a.
		8.923	0.061	0.497	0.04	0.05	n.a.
		9.237	0.043	0.323	0.03	0.03	n.a.
		9.753	2.576	12.571	1.51	1.17	n.a.
		10.163	5.692	31.509	3.33	2.94	n.a.
	Fisetin	11.303	149.078	964.712	87.14	90.05	n.a.
		11.780	4.679	25.464	2.74	2.38	n.a.
		12.003	5.921	21.537	3.46	2.01	n.a.
0		13.377	0.130	0.646	0.08	0.06	n.a.
1		18.637	0.704	3.632	0.41	0.34	n.a.
2		19.423	0.981	4.431	0.57	0.41	n.a.
3		20.713	0.038	0.168	0.02	0.02	n.a.
ota			171 078	1071 220	100.00	100.00	

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