



# Certificate of Analysis

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

## 7,8-DHF

(7,8-Dihydroxyflavone)

Material Lot #: 20210727

Test Date: 08/06/2021

Country of Origin: China

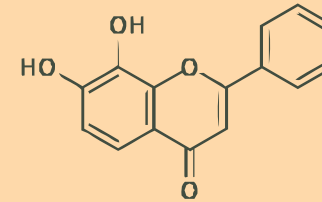
Re-Test Date: 08/05/2024

Analysis	Claim	Result
7,8-DHF	≥95%	99.2%

Test	Specification	Result
7,8-DHF (HPLC)	≥95%	99.2%
Lead	≤0.5ppm	0.0154 ppm
Mercury	≤0.5ppm	<0.005 ppm
Cadmium	≤0.5ppm	<0.005 ppm
Arsenic	≤0.5 ppm	0.0192 ppm
Total Aerobic Plate Count	<10 cfu/g	<10 cfu/g
Yeast	<10 cfu/g	<10 cfu/g
Mold	<10 cfu/g	<10 cfu/g
Escherichia coli	<10 cfu/g	<10 cfu/g
Coliforms	<10 cfu/g	<10 cfu/g
Salmonella	Absent	Not Detected per 25 g
Staphylococcus aureus	<10 cfu/g	<10 cfu/g

7,8-DHF should be stored at or below room temperature in a tightly sealed durable container.  
7,8-DHF should be protected from excess heat, direct sunlight, excess humidity, and moisture.  
7,8-DHF has a retesting period of 3 years from the date of analysis when properly stored.

## 7,8-DHF



### Main Benefits

- 7,8-DHF has been shown to have powerful anti-oxidant effects on cellular activity.
- Studies suggest that 7,8-DHF may enhance cognitive performance while also promoting nerve health.
- In addition to the cognitive effects of 7,8-DHF, this supplement can also be used for its strong anti-inflammatory properties.

### Main Cautions

- 7,8-DHF is generally recognized as safe within the suggested serving size range.
- Excessive 7,8-DHF can result in overstimulation, restlessness, dizziness, nausea, irritability, and trouble sleeping.
- Do not use this supplement without first consulting your doctor if you are taking any medication or have any underlying medical conditions.

### Usage Tips

- A 0.15 cc measuring scoop is included. One level scoop contains approximately one serving, or approximately **40mg of 7,8-DHF**. As a dietary supplement, take 1-2 servings 1-2 times per day. Start at the lower suggested quantity to assess response.
- The negative effects of this supplement are dependent on the amount taken. Use of a scale with 1mg/0.001g accuracy or better is recommended.
- Use of capsules, or mixing with tea, yogurt, apple sauce, or oatmeal may help make the powder easier to tolerate.
- 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 this supplement with other dietary supplements, so long as the amount consumed does not exceed the suggested serving size.
- The benefits of this supplement are most effective when they are supported by a healthy diet and plenty of exercise.



# S & N LABS

2021 E. Fourth Street  
Santa Ana, California 92705  
(714) 543-2211

10 August 2021

Job Number: 25300b  
PO Number: verbal


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

## REPORT OF ANALYSIS

One blue jar labeled "7,8-DHF 20210727" was received on 5 August 2021. The material was analyzed for purity using high pressure liquid chromatography (HPLC). The detector was set to 266nm. The results are summarized in the table below.

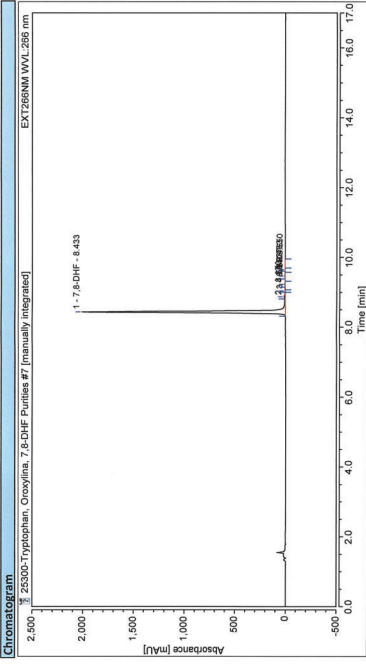
Sample	Chromatographic Purity (% area)
7,8-DHF 20210727	99.2

The chromatogram is enclosed for your reference.

  
Neil E. Spingarn, Ph.D.  
President

## Chromatogram and Results

**Injection Details**  
 7,8-DHF 20210727 Run Time (min): 20.00  
 BE5 Injection Volume: 10.00  
 Unknown Channel: EXT266NM  
 Instrument: BD PHE 260mm MaxRP 20min  
 Processing Method: Processing Method  
 Injection Date/Time: 08/Aug/21 16:53  
 Dilution Factor: 1.0000  
 Sample Weight: 1.0000



No.	Peak Name	Retention Time (min)	Area (mAU*min)	Height (mAU)	Relative Area (%)	Relative Height (%)	Amount
1	7,8-DHF	8.433	10628	20476	99.5	99.2	n.a.
2		8.870	0.656	0.416	0.5	0.47	n.a.
3		9.040	0.011	0.298	0.01	0.01	n.a.
4		9.227	0.164	3.169	0.15	0.16	n.a.
5		9.463	0.174	2.656	0.16	0.13	n.a.
6		9.650	0.013	0.305	0.01	0.02	n.a.
<b>Total:</b>			<b>107.948</b>	<b>2022.725</b>	<b>100.00</b>	<b>100.00</b>	

Report Template:Integration

Client: Synapient  
Date: 08/11/2021

## eurofins | Eurofins Microbiology Laboratories (New Berlin)

Eurofins Microbiology Laboratories (New Berlin)

2345 S. 170th St, Wisconsin  
New Berlin, Wisconsin 53151  
+1 262 754 5300  
Micro-MKE@EurofinsUS.com

Client Code: OH0000902  
PO#: 20210802  
Received On: 04/Aug/2021  
Reported On: 11/Aug/2021

## ANALYTICAL REPORT

AR-21-OH-043120-01

Synapient  
Joseph Watkins  
1442 W. Fulton Street  
Chicago, IL 60607

Client Code: OH0000902  
PO#: 20210802  
Received On: 04/Aug/2021  
Reported On: 11/Aug/2021

**Eurofins Sample Code:** 477-2021-08040239  
**Client Sample Code:** 20210727  
**Sample Description:** 7,8-DHF  
**Reference:** FDA BAM Chapter 18 mod.  
**Sample Reference:** FDA BAM Chapter 18 mod.

**Parameter:** Result  
Yeast < 10 cfu/g

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

**Eurofins Sample Code:** 477-2021-08040239  
**Client Sample Code:** 20210727  
**Sample Description:** 7,8-DHF  
**Reference:** AOAC 2011.19 and 983.14 (modified)  
**Sample Reference:** AOAC 2011.19 and 983.14 (modified)

**Parameter:** Result  
Asenic 19.1 ppb

**Parameter:** Result  
Cadmium < 5.00 ppb

**Parameter:** Result  
Lead 15.4 ppb

**Parameter:** Result  
Mercury < 5.00 ppb

**UMBVD - Total Coliforms - CMMEF Chapter 9.933**  
**Reference:** CMMEF Chapter 9.933  
**Accreditation:** ISO/IEC 17025:2017 AZLA 3329.07

**Parameter:** Result  
Coliforms < 10 cfu/g

**Parameter:** Result  
Escherichia coli < 10 cfu/g

**UMDTC - Salmonella spp. - AOAC-RI 121501**  
**Reference:** AOAC-RI 121501  
**Accreditation:** ISO/IEC 17025:2017 AZLA 3329.07

**Parameter:** Result  
Salmonella Not Detected per 25 g

**UWHEM - Staphylococcus aureus - BAM Chapter 12**  
**Reference:** BAM Chapter 12  
**Accreditation:** ISO/IEC 17025:2017 AZLA 3329.07

**Parameter:** Result  
Staphylococcus aureus < 10 cfu/g

**Eurofins Sample Code:** 477-2021-08040239  
**Client Sample Code:** 20210727  
**Sample Description:** L-Tryptophan  
**Reference:** AOAC 2011.19 and 983.14 (modified)  
**Sample Reference:** AOAC 2011.19 and 983.14 (modified)

**Parameter:** Result  
Aerobic Plate Count < 10 cfu/g

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

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

**Parameter:** Result  
Aerobic Plate Count < 10 cfu/g

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

**Eurofins Sample Code:** 477-2021-08040240  
**Client Sample Code:** 202105131  
**Sample Description:** L-Tryptophan  
**Reference:** AOAC 2011.19 and 983.14 (modified)  
**Sample Reference:** AOAC 2011.19 and 983.14 (modified)

**Parameter:** Result  
Asenic < 10.0 ppb

**Parameter:** Result  
Cadmium < 5.00 ppb

**Parameter:** Result  
Lead < 5.00 ppb

**Parameter:** Result  
Mercury < 5.00 ppb

**UMBVD - Total Coliforms - CMMEF Chapter 9.933**  
**Reference:** CMMEF Chapter 9.933  
**Accreditation:** ISO/IEC 17025:2017 AZLA 3329.07

**Parameter:** Result  
Coliforms < 10 cfu/g

**Parameter:** Result  
Escherichia coli < 10 cfu/g

**UMDTC - Salmonella spp. - AOAC-RI 121501**  
**Reference:** AOAC-RI 121501  
**Accreditation:** ISO/IEC 17025:2017 AZLA 3329.07

**Parameter:** Result  
Salmonella Not Detected per 25 g