



Certificate of Analysis

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

LiftNode

Coleus forskohlii Extract

 *Coleus barbatulus* Extract

Material Lot #: 2018014507

Test Date: 07/08/2021

Country of Origin: India

Re-Test Date: 07/05/2024

Analysis	Claim	Result
Forskolin	$\geq 10\%$	12.5%

Test/Method	Specification	Result
Lead (ICP-MS)	<1 ppm	Conforms
Arsenic (ICP-MS)	<1 ppm	Conforms
Cadmium (ICP-MS)	<1 ppm	Conforms
Mercury (ICP-MS)	<1 ppm	Conforms
Total Aerobic Plate Count (Biolumix)	<1,000 cfu/g	Conforms
Yeast & Mold (Biolumix)	<100 cfu/g	Conforms
E.Coli (Biolumix)	Absent	Conforms
Coliform (Biolumix)	<10 cfu/g	Conforms
Salmonella (Biolumix)	Absent	Conforms
Assay (HPLC)	$\geq 10.0\%$	12.5%

Coleus forskohlii Extract should be stored at or below room temperature in a tightly sealed durable container.
Coleus forskohlii Extract should be protected from excess heat, direct sunlight, excess humidity and moisture.
Coleus forskohlii Extract has a stable shelf life of 3 years from the date of manufacture when properly stored.

CERTIFICATE OF ANALYSIS

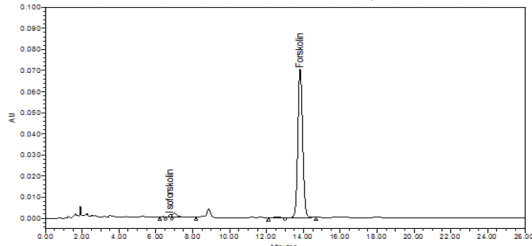
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Report Issued To: Synaptent
47 W. Polk St. ; 100-241
Chicago IL 60605-2000
USA

Sample Name: Coleus forskohlii extract, ≥10% Forskolin
Description: Powdered extract; Fine dark brown powder;
white lid jar
Lot #: 2018014507
AL #: 21168AKK_1
Analysis ID: 158653
Received: 06/17/21

Determination of Forskolin Content by HPLC



Ret. Time (min)	Compound Name	Prep 1 (% As Is)	Prep 2 (% As Is)	Average (% As Is)	Average (% Dried Basis)	Specification	Result
13.8	Forskolin	12.111	12.327	12.219	12.455	≥10%	Pass

Chromatographic Conditions:

Method: USP - Powdered Forskolin Extract
Column: AP205 Luna 5u C18 (2) 100A (250 x 4.6 mm)
Temperature: 30°C
Flow Rate: 1.8 mL/min
Injection Volume: 20 µL
UV Detection: 220 nm
Mobile Phase: Water
Acetonitrile
HPLC Instrument: Alliance_6

Sample Preparation:

Weighed 250 mg of sample into a 25 mL volumetric flask, added 20 mL acetonitrile and sonicated for 10 minutes at 40°C. Let cool to room temperature and filled to volume with acetonitrile. Filtered through 0.45 µm PTFE syringe filter into HPLC vials for analysis, discarding first few mL's of filtrate.

Report Summary:

Conclusion: This "Coleus forskohlii extract, ≥10% Forskolin" test sample has 12% forskolin on the dried basis.
Loss on Drying: 1.89%
OOS Reference: N/A
Empower File: 18821 Forskolin



Digitally signed by Celine Deneuve
DN: cn=Celine Deneuve, o=ALKEMIST LABS, email=celine@alkemist.com, c=US
Date: 2021.07.08 16:51:59 -0700

Analysis Date : 07/08/21 Analyzed By: D Jimenez

Authorized By: Celine Deneuve,
Analytical Chemistry Supervisor

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

Certificate of Analysis

Synaptent LLC
47 W Polk Street, 100-241
Chicago, IL 60654

Product Name	Coleus Forskohlii Extract	Product Lot Number	2018014507
Report Date	08/12/2019	Laboratory Number	12420

Description	Method	Result
Forskolin	HPLC	11.1%
Lead	ICP-MS USP <730>	0.037 ppm
Arsenic	ICP-MS USP <730>	<0.0001 ppm
Cadmium	ICP-MS USP <730>	0.008 ppm
Mercury	ICP-MS USP <730>	0.001 ppm
Total Aerobic Count	Biolumix	<1000 cfu/g
Yeast & Mold	Biolumix	<100 cfu/g
E. Coli	Biolumix	Negative
Coliform	Biolumix	<10 cfu/g
Salmonella	AOAC 967.26	Negative

Collin Thomas
Laboratory Manager

08/12/2019 8/12/19
Date

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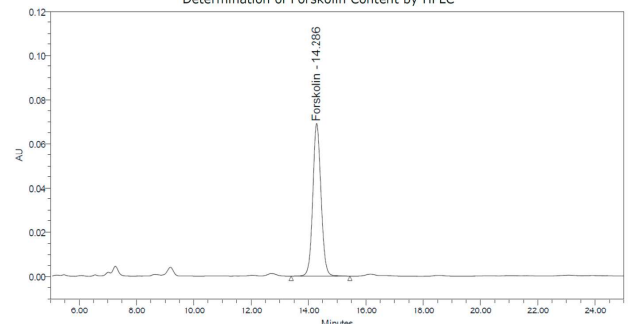


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Report Issued To: Synaptent
47 W. Polk St.
Chicago Illinois 60605

Sample Name: Coleus forskohlii Extract
Description: Powdered extract; Blue plastic bottle
Lot #: 2018014507
AL #: 19211TXM_2
Analysis ID: 123342
Received: 07/30/19

Determination of Forskolin Content by HPLC



Ret. Time (min)	Compound Name	Prep 1 (% As Is)	Prep 2 (% As Is)	Average (% As Is)	Average (% Dried Basis)	Specification	Result
14.3	Forskolin	12.201	12.043	12.122	12.122	NLT 10%	Pass

Chromatographic Conditions:

Method: USP 42 - Powdered Forskolin Extract
Column: AP205 Luna 5u C18 (2) 100A (250 x 4.6 mm)
Temperature: 30°C
Flow Rate: 1.8 mL/min
Injection Volume: 20 µL
UV Detection: 220 nm
Mobile Phase: Water
Acetonitrile
HPLC Instrument: Alliance_3

Sample Preparation:

Weighed 250 mg of sample into a 25 mL volumetric flask, added 20 mL acetonitrile and sonicated for 10 minutes at 40°C. Let cool to room temperature and filled to volume with acetonitrile. Filtered through 0.45 µm PTFE syringe filter into HPLC vials for analysis.

Report Summary:

Conclusion: This "Coleus forskohlii Extract" test sample contains 12% forskolin on the dried basis.
Loss on Drying: 0.00%
Notebook Reference: 22019 Forskolin

Analysis Date : 08/09/19 Analyzed By: A Pham

Authorized By: Colin Gray,
Lead Analytical Chemist

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