SABINSA CORPORATION

*Pharmaceuticals *Phytochemicals
*Fine Chemicals *Herbal Extracts
*Cosmeceuticals *Specialty Chemicals

CERTIFICATE OF ANALYSIS

Product Name	**FORSLEAN® 10% (COLEUS FORSKOHLII EXTRACT 10%)**
Product Code	**0486**
Batch No.	**C231038EM**
TR No.	**KL21F0284**
Date of Manufacture	**Oct 2023**
Date of Expiry	**Nov 2028**

ForsLean

Category	Intended for Nutraceutical application		
Botanical/Scientific name	Coleus forskohlii		
CAS No	66575-29-9		
Plant part	Roots		
Preparation type	Extraction		
Solvent used in manufacture	Hexane, Ethanol		
Final extract ratio	25:1-40:1		
Standardization	Forskolin		
Excipient used	Maltodextrin		
	Excipient name	**%Used**	**CAS No.**
	Maltodextrin	40% to 45%	9050-36-6
Parameters	**Result**	**Limit**	**Reference**
PHYSICAL			
Description	Complies	Brown powder with characteristic odor*	Visual and Organoleptic
Identification	Complies	To comply by HPLC	SLL/STP-F-006
Solubility			SLL/STP-S-028
-Water solubles (1% w/v solution in water)	17.48 % w/w	Not less than 10.0% w/w	
-Alcohol solubles (1% w/v solution in 95% v/v alcohol)	65.98 % w/w	Not less than 40.0% w/w	
Loss on drying	2.49 % w/w	Not more than 5.0% w/w (dried at 105°C)	USP <731>
Ash Content	0.28 % w/w	Not more than 30.0% w/w	USP <561>
Tapped bulk density	0.51 g/ml	Between 0.50g/ml and 0.90g/ml	USP <616>
Loose bulk density	0.32 g/ml	Between 0.30g/ml and 0.80g/ml	USP <616>

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Payson, UT - 84651
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Parameters	Result	Limit	Reference
Sieve Test (Passes Through)			USP <786>
- 20 Mesh	100.00 % w/w	Not less than 100% w/w	
- 40 Mesh	99.74 % w/w	Not less than 75% w/w	
- 80 Mesh	98.08 % w/w	Not less than 50% w/w	
CHEMICAL			
Assay			
-Content of Forskolin by HPLC	20.20 % w/w	Not less than 20.0% w/w and not more than 22.0% w/w on dry basis	SLL/STP-F-006
OTHERS			
Lead	<0.2 ppm (µg/g)	Not more than 3ppm (µg/g)	USP <2232>
Arsenic	<0.2 ppm (µg/g)	Not more than 1ppm (µg/g)	USP <2232>
Cadmium	<0.2 ppm (µg/g)	Not more than 1ppm (µg/g)	USP <2232>
Mercury	<0.02 ppm (µg/g)	Not more than 0.1ppm (µg/g)	USP <2232>
Residual solvents	Complies	To comply as per USP	USP <467>
Residual pesticides	Complies	To comply as per USP	USP <561>
Glyphosate	Complies ppm	Not more than 0.2 ppm	SLL/STP-P-122
MICROBIAL			
Total aerobic microbial count	<100 cfu/g	Not more than 5000 cfu/g	USP <2021>
Total yeasts and molds count	<10 cfu/g	Not more than 100 cfu/g	USP <2021>
Escherichia coli	Complies	Negative/10g	USP <2022>
Salmonella	Complies	Negative/10g	USP <2022>
Staphylococcus aureus	Complies	Negative/10g	USP <2022>

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Parameters	Result	Limit	Reference
Pseudomonas aeruginosa	Complies	Negative/10g	USP <62>
Bile tolerant gram negative bacteria	Complies	Negative/10g	USP <2021>
Coliforms	<10 cfu/g	Not more than 10cfu/g	BAM 2001, 8th Edition, Chapter 4

ADDITIONAL INFORMATION

Sanitizing treatment	Non-Irradiated and not treated with ETO
Certification status (Kosher/Halal)	Kosher certified , Halal certified
Genetic Modification Status	GMO free
BSE/TSE status	BSE/TSE free
Country of origin	India
Cultivated or wild crafted	Cultivated
Storage condition	Store at room temperature
Manufactured By	Sami-Sabinsa Group Limited - Peenya 19/1, 19/2, I Main II Phase, Peenya Industrial Area, Bangalore. 560 058, Karnataka, India
Manufactured At	Sami-Sabinsa Group Limited - Kunigal Plot No. 30-35, KIADB Industrial Area,Tumkur District, Kunigal - 572130
Patent Information	ForsLean® is Patented Product fromSabinsa Corporation,US#5804596, EP#0977564, CA#2281562, SG121197

Remarks

*Since it is a herbal product, there is likely to be minor color variation from batch to batch of the product because of the geographical and seasonal variations of the raw material.
*Natural products can be hygroscopic and tend to agglomerate sometimes. It is suggested to sift the product before use.

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ForsLean

Dr. Hari Ramachandran
QA/ QC Manager

The above certificate of analysis is based on ***Specifications Issue No: 13 Dated: October 01, 2022***

NAP:Not Applicable
NAV:Not Available

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TEST REPORT

JANOSHIK

E-mail: info@janoshik.com
Web: www.janoshik.com

Task Number #52818

Testing ordered > 05 NOV '24

Sample received > 11 NOV '24

Client	test@differentpharm.com
Sample	Saffron extract - safranal
Manufacturer	Unknown
Batch	472416

Sample description >

Pictures not included.

Tests requested >

Qualitative and quantitative analysis of non-AAS sample.

Results >

Safranal	0.52 ± 0.03 % (w/w)

Comments >

Analysis conducted > 03 DEC 2024

Signature >



Verify this test at www.janoshik.com/verify/ with the following unique key

7YH8JEH2DRRK

TEST REPORT

JANOSHIK

E-mail: info@janoshik.com
Web: www.janoshik.com

Task Number #52822

Testing ordered > 05 NOV '24

Sample received > 11 NOV '24

Client	test@differentpharm.com
Sample	6-paradol
Manufacturer	Unknown
Batch	052520

Sample description >

Pictures not included.

Tests requested >

Qualitative and quantitative analysis of non-AAS sample.

Results >

6-paradol	10.6 ± 0.2 % (m/m)

Comments >

Analysis conducted > 08 DEC 2024

Signature >



Verify this test at www.janoshik.com/verify/ with the following unique key

R4B1ATG72CNE