



TRIBE ORGANICS®

Master the Art of Living

TURMERIC COMPLEX



FINAL PRODUCT

Turmeric Complex

Lot #: 3310451093
 Product ID: 310451
 Total Product Amount: 90 capsules

Country of Manufacture: USA
 Manufacturing: 04/2023
 Expiration: 04/2025

Physical	Method	Specifications	Results	UOM	Status
Average Weight (Powder plus capsule)	USP <2091>	575mg ±10%	567	mg	PASS
Weight Variation	USP <2091>	Average weight ±20%	Conforms	mg	PASS
Fill Appearance	Organoleptic	Free-flowing Powder	Conforms	N/A	PASS
Color	Organoleptic	Orange	Conforms	N/A	PASS
Capsule Size	Gauge	"0"	Conforms	N/A	PASS
Capsule Color	Organoleptic	Clear	Conforms	N/A	PASS
Disintegration	USP <701>	≤30 min	<30	N/A	PASS
Microbiology	Method	Specifications	Results	UOM	Status
Total Aerobic Plate Count	AOAC 990.12	≤10,000 cfu/g	4,000	cfu/g	PASS
Total Yeast and Mold	AOAC 997.02	≤1,000 cfu/g	<10	cfu/g	PASS
Coliforms	AOAC 991.14	≤100 cfu/g	<10	cfu/g	PASS
Escherichia coli	AOAC 991.14	Absent	Absent	cfu/g	PASS
Salmonella	AOAC 2014.01	Absent	Absent	cfu/10g	PASS
Active Ingredients	Method	Specifications	Results	UOM	Status
Curcumin C3 Complex	By Input	≥90% of 750mg	740	mg	PASS
Boswellin	By Input	≥90% of 150mg	148	mg	PASS
Ginger Root Extract (5% gingerols)	By Input	≥90% of 150mg	148	mg	PASS
Bioperine	By Input	≥90% of 7.5mg	7	mg	PASS

Inactive Ingredients:

HPMC Powder, and HPMC (capsule).

*All subcontract testing methods come from an ISO/IEC 17025:2017 accredited laboratory.

Corbin Myers 26 APR 23

Analysis Completed by: Corbin Myers
 QC Chemist

S. Kumar 26 Apr 23

Approved by: Sunil Kumar
 Director of Quality

This product has been manufactured in accordance with all applicable local, state, and federal laws and regulations - including FDA 21CFR111 - and has been determined to meet its Finished Product Specifications (FPS) release criteria. This report is provided for the exclusive use of the addressee and the laboratory accepts no responsibility/liability except for the due performance of inspection and/or analysis in good faith. The above results relate only to the stated material. This includes any action of testing, calibrating, or sampling. This certificate shall not be reproduced except in full, without the written approval of Vitalpax.



TRIBE ORGANICS®

Master the Art of Living

TURMERIC COMPLEX



INGREDIENTS



CERTIFICATE OF ANALYSIS

PRODUCT NAME: Ginger Root P.E
 PLANT PART: Root
 BATCH No.: 22021953
 STANDARD: ENTERPRISE
 ITEM CODE: G0605KE5-C80

BOTANICAL NAME: *Zingiber officinale Roscoe*
 MANUFACTURING DATE: Feb 19, 2022
 EXPIRY DATE: Feb 18, 2025
 COUNTRY OF ORIGIN: China
 EXTRACT SOLVENT: Ethanol and Water

ITEMS	SPECIFICATION	RESULTS	TEST METHOD
Assay	Gingerol \geq 5.0%	5.45%	HPLC
Appearance	Yellow or light yellow powder	Conforms	Visual
Odor	Characteristic	Characteristic	Sensory
Taste	Characteristic	Characteristic	Sensory
Mesh Size	98% pass 80 mesh	Conforms	Sieve
Loose Density	0.300~0.700g/ml	0.4947g/ml	W/V
Tapped Density	0.400-0.800g/ml	0.7315g/ml	W/V
Loss on Drying	\leq 8.0%	5.05%	2g/105°C/5hrs
Solvent Residue	Meet USP standard	Conforms	Gas Chromatography
Heavy Metals	\leq 10ppm	Conforms	Colorimetric Method
Arsenic (As)	\leq 2ppm	\leq 0.05ppm	Atomic Absorption
Lead (Pb)	\leq 2ppm	\leq 0.05ppm	Atomic Absorption
Cadmium	\leq 1ppm	\leq 0.05ppm	Atomic Absorption
Mercury	\leq 0.1ppm	\leq 0.05ppm	Atomic Absorption
Total Plate Count	\leq 10,000cfu/g	Conforms	ChP
Yeast & Mold	\leq 1,000cfu/g	Conforms	ChP
Salmonella	Negative	Negative	ChP
Escherichia Coli	Negative	Negative	ChP

Conclusion: Conforms to the specification of enterprise.

Note: Above data is derived directly from the certificate of analysis provided by the manufacturer of this Raw material.

Storage: Store in a cool dry area. Do not freeze. Keep away from strong, heat light.

**FINISHED PRODUCT SPECIFICATION**

Product BioPerine® (BLACK PEPPER EXTRACT)	Issue No. 18	Supersedes Issue No.17, dtd 30/09/2020	Page Number Page 1 of 2
Prepared by Ramesha Documentation Executive	Approved by Dr. Satish Sawant Vice President – AR&D		Effective date October 08, 2021

Product code	0215	
Category	Intended for Nutraceutical application	
Botanical/Scientific name	Piper nigrum	
CAS No	94-62-2	
Plant part	Fruits	
Preparation type	Extraction	
Solvent used for extraction	Methanol	
Solvent used in manufacture	Hexane and Ethanol	
Final extract ratio	50:1	
Standardization	Piperine	
Excipient used	None	
Parameters	Limit	Reference
PHYSICAL		
Description	Off white to greenish yellow powder with characteristic odor*	Visual and Organoleptic
Identification	To comply by HPLC and HPTLC	SLL/STP-P-007, SLL/STP-B-051
Solubility	Soluble in alcohol; insoluble in water	USP
Loss on drying	Not more than 2.0% w/w (dried at 105°C)	USP <731>
Ash Content	Not more than 0.5% w/w	USP <561>
Tapped bulk density	Between 0.55g/ml and 0.85g/ml	USP <616>
Loose bulk density	Between 0.30g/ml and 0.65g/ml	USP <616>
Sieve Test (Passes Through)		USP <786>
- 80 Mesh	Not less than 95.0% w/w	
CHEMICAL		
Assay		
-Content of Piperine by HPLC	Not less than 95.0% w/w and not more than 102.0% w/w on dry basis	SLL/STP-P-007
OTHERS		
Lead	Not more than 3ppm (µg/g)	USP <2232>
Arsenic	Not more than 1ppm (µg/g)	USP <2232>
Cadmium	Not more than 1ppm (µg/g)	USP <2232>
Mercury	Not more than 0.1ppm (µg/g)	USP <2232>
Residual solvents	To comply as per USP	USP <467>
Residual pesticides	To comply as per USP	USP <561>
Glyphosate	Not more than 7ppm	SLL/STP-P-122
Total aflatoxins (B1,B2,G1 and G2)	Not more than 10ppb (µg/kg)	SLL/STP-A-044
-Aflatoxin B1	Not more than 5 ppb (µg/kg)	SLL/STP-A-044



FINISHED PRODUCT SPECIFICATION

Product BioPerine® (BLACK PEPPER EXTRACT)	Issue No. 18	Supercedes Issue No.17, dtd 30/09/2020	Page Number Page 2 of 2
Prepared by Ramesha Documentation Executive	Approved by Dr. Satish Sawant Vice President – AR&D		Effective date October 08, 2021

Parameters	Limit	Reference
MICROBIAL		
Total aerobic microbial count	Not more than 3000cfu/g	USP <2021>
Total yeasts and molds count	Not more than 100cfu/g	USP <2021>
Escherichia coli	Negative/10g	USP<2022>
Salmonella	Negative/10g	USP<2022>
Staphylococcus aureus	Negative/10g	USP<2022>
Pseudomonas aeruginosa	Negative/10g	USP<62>
Bile tolerant Gram negative bacteria	Not more than 100cfu/g	USP <2021>
Coliforms	Less than 10cfu/g	BAM Chapter 4

ADDITIONAL INFORMATION

Sanitizing treatment	Non-irradiated and not treated with ETO
Certification status (Kosher/Halal)	Kosher and Halal certified
BSE/TSE status	BSE/TSE free
Genetic Modification Status	Non-GMO Project Verified
Country of origin	India
Cultivated or wild crafted	Cultivated
Storage condition	Store at room temperature
Shelf Life	5 Year(s)
Manufactured by	Sami-Sabinsa Group Limited - Peenya 19/1, 19/2, I Main II Phase, Peenya Industrial Area, Bangalore. 560 058, Karnataka, India
Patent Information	US#5536506, US#5744161, US#5972382, US#6054585, EP#0810 868, CA#2247467, 3953513

*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.

NAP:Not Applicable

NAV:Not Available



FINISHED PRODUCT SPECIFICATION

Product BOSWELLIN® SUPER (BOSWELLIA SERRATA EXTRACT SUPER)	Issue No. 10	Supersedes Issue No.9 dtd 25/06/2018	Page Number Page 1 of 3
Prepared by Nisha K N Documentation Officer	Approved by Dr.S Natarajan Executive Vice President		Effective date August27, 2020

Product code	0251
Category	Intended for Nutraceutical and Cosmeceutical applications
Botanical/Scientific name	Boswellia serrata
CAS No	97952-72-2
Plant part	Gum resin exudate
Preparation type	Extraction
Solvent used for extraction	Methanol
Solvent used in manufacture	Hexane, Ethyl acetate and Ethanol
Final extract ratio	14:1 to 15:1
Standardization	Boswellic acids
Excipient used	None

Parameters	Limit	Reference
PHYSICAL		
Description	Pale brown powder with characteristic odor*	Visual and Oranoleptic
Identification	To comply by HPLC	SLL/STP-B-002
Solubility	Soluble in alcohol and insoluble in water	USP
Moisture content by KF method	Not more than 5.0% w/w	USP <921>
Ash Content	Not more than 5.0% w/w	USP <561>
Specific optical rotation (0.75% w/v solution in chloroform at room temperature)	Not less than +40°	USP <781>
Tapped bulk density	Between 0.40g/ml and 0.85g/ml	USP <616>
Loose bulk density	Between 0.30g/ml and 0.75g/ml	USP <616>
Sieve Test (Passes Through)		USP <786>
- 20 Mesh	Not less than 100% w/w	
- 40 Mesh	Not less than 50% w/w	
- 80 Mesh	Not less than 30% w/w	
CHEMICAL		
Assay		
-Content of total boswellic acids by Titration	Not less than 75.0% w/w and not more than 85.0% w/w on anhydrous basis as total boswellic acids	SLL/STP-B-002
-Content of beta-boswellic acid by HPLC	Not less than 7.5% w/w on anhydrous basis	SLL/STP-B-002
-Content of 3-O-Acetyl-beta-boswellic acid by HPLC	Not less than 3.5% w/w on anhydrous basis	SLL/STP-B-002



FINISHED PRODUCT SPECIFICATION

Product BOSWELLIN® SUPER (BOSWELLIA SERRATA EXTRACT SUPER)	Issue No. 10	Supersedes Issue No.9 dtd 25/06/2018	Page Number Page 2 of 3
Prepared by Nisha K N Documentation Officer	Approved by Dr.S Natarajan Executive Vice President		Effective date August27, 2020

Parameters

Parameters	Limit	Reference
-Content of 11-keto-beta-boswellic acid by HPLC	Not less than 1.5% w/w on anhydrous basis	SLL/STP-B-002
-Content of 3-O-Acetyl-11-Keto-Beta-Boswellic acid by HPLC	Not less than 30% w/w on anhydrous basis	SLL/STP-B-002
-Content of total identified beta-boswellic acids by HPLC	Not less than 50.0% w/w and not more than 55.0% w/w on anhydrous basis	SLL/STP-B-002

OTHERS

Lead	Not more than 3ppm (µg/g)	USP <2232>
Arsenic	Not more than 1ppm (µg/g)	USP <2232>
Cadmium	Not more than 1ppm (µg/g)	USP <2232>
Mercury	Not more than 0.1ppm (µg/g)	USP <2232>
Residual solvents	To comply as per USP	USP <467>
Residual pesticides	To comply as per USP	USP <561>
Total aflatoxins (B1,B2,G1 and G2)	Not more than 20ppb	USP <561>
MICROBIAL		
Total aerobic microbial count	Not more than 5000cfu/g	USP <2021>
Total yeasts and molds count	Not more than 100cfu/g	USP <2021>
Escherichia coli	Negative/10g	USP <2022>
Salmonella	Negative/10g	USP <2022>
Staphylococcus aureus	Negative/10g	USP <2022>
Pseudomonas aeruginosa	Negative/10g	USP <62>
Bile tolerant gram negative bacteria	Negative/10g	USP <2021>
Coliforms	Less 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	Non-GMO Project Verified
BSE/TSE status	BSE/TSE free
Cultivated or wild crafted	Wild crafted
Country of origin	India
Storage condition	Store at room temperature
Shelf Life	5 Year(s)
Manufactured by	Sami Labs Limited - Peenya 19/1, 19/2, I Main II Phase, Peenya Industrial Area, Bangalore. 560 058, Karnataka, India



FINISHED PRODUCT SPECIFICATION

Product BOSWELLIN® SUPER (BOSWELLIA SERRATA EXTRACT SUPER)	Issue No. 10	Supersedes Issue No.9 dtd 25/06/2018	Page Number Page 3 of 3
Prepared by Nisha K N Documentation Officer	Approved by Dr.S Natarajan Executive Vice President		Effective date August27, 2020

*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.

NAP:Not Applicable

NAV:Not Available



FINISHED PRODUCT SPECIFICATION

Product CURCUMIN C3 COMPLEX®	Issue No. 22	Supersedes Issue No.21 dtd 27/08/2020	Page Number Page 1 of 2
Prepared by Nisha K N Documentation Officer	Approved by Dr.S Natarajan Executive Vice President		Effective date September 30, 2020

Product code	0330	
Category	Intended for Nutraceutical application	
Botanical/Scientific name	Curcuma longa	
CAS No	84775-52-0	
Plant part	Rhizomes	
Preparation type	Extraction	
Solvent used for extraction	Ethyl acetate	
Solvent used in manufacture	Isopropyl alcohol	
Final extract ratio	64:1 to 66:1	
Standardization	Curcuminoids	
Excipient used	None	
Parameters	Limit	Reference
PHYSICAL		
Description	Orange yellow powder*	Visual
Identification	To comply by HPLC	SLL/STP-C-012
Loss on drying	Not more than 2.0% w/w (dried at 105°C)	USP <731>
Ash Content	Not more than 1.0% w/w	USP <561>
Tapped bulk density	Between 0.50g/ml and 0.90g/ml	USP <616>
Loose bulk density	Between 0.30g/ml and 0.50g/ml	USP <616>
Sieve Test (Passes Through)		USP <786>
- 20 Mesh	Not less than 95% w/w	
- 80 Mesh	Not less than 75% w/w	
CHEMICAL		
Assay		
-Content of total curcuminoids by HPLC	Not less than 95.0% w/w and not more than 102.0% w/w on dry basis	SLL/STP-C-012
Purity by HPLC		
-Bisdemethoxycurcumin	Not less than 2.2% and not more than 6.5%	SLL/STP-C-012
-Demethoxycurcumin	Not less than 15.0% and not more than 19.0%	SLL/STP-C-012
-Curcumin	Not less than 75.0% and not more than 81.0%	SLL/STP-C-012
OTHERS		
Lead	Not more than 2ppm (µg/g)	USP <2232>
Arsenic	Not more than 1ppm (µg/g)	USP <2232>
Cadmium	Not more than 1ppm (µg/g)	USP <2232>
Mercury	Not more than 0.1ppm (µg/g)	USP <2232>



FINISHED PRODUCT SPECIFICATION

Product CURCUMIN C3 COMPLEX®	Issue No. 22	Supersedes Issue No.21 dtd 27/08/2020	Page Number Page 2 of 2
Prepared by Nisha K N Documentation Officer	Approved by Dr.S Natarajan Executive Vice President		Effective date September 30, 2020

Parameters	Limit	Reference
Residual solvents	To comply as per USP	USP <467>
Residual pesticides	To comply as per USP	USP <561>
Glyphosate	Not more than 7ppm	SLL/STP-P-122
Total aflatoxins (B1,B2,G1 and G2)	Not more than 10ppb (µg/kg)	SLL/STP-A-044
-Aflatoxin B1	Not more than 5ppb (µg/kg)	SLL/STP-A-044
MICROBIAL		
Total aerobic microbial count	Not more than 5000cfu/g	USP <2021>
Total yeasts and molds count	Not more than 100cfu/g	USP <2021>
Escherichia coli	Negative/10g	USP <2022>
Salmonella	Negative/10g	USP <2022>
Staphylococcus aureus	Negative/10g	USP <2022>
Pseudomonas aeruginosa	Negative/10g	USP <62>
Bile tolerant gram negative bacteria	Negative/10g	USP <2021>
Coliforms	Less 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	
BSE/TSE status	BSE/TSE free	
Genetic Modification Status	Non-GMO Project Verified	
Country of origin	India	
Cultivated or wild crafted	Cultivated	
Storage condition	Store at room temperature	
Shelf Life	5 Year(s)	
Manufactured by	Sami-Sabinsa Group Limited - Peenya 19/1, 19/2, I Main II Phase, Peenya Industrial Area, Bangalore. 560 058, Karnataka, India	

*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 may agglomerate sometimes. It is suggested to sift the product before use.

NAP:Not Applicable

NAV:Not Available