



PUREGROUND INGREDIENTS

CERTIFICATE OF ANALYSIS

ORGANIC TURMERIC ROOT, POWDER

LOT# TUMO-4052351TM-PW-989H

Product Name	Organic Turmeric Root, Powder
Botanical Name	<i>Curcuma longa</i>
Country of Origin	India
Certification	USDA NOP Certified Organic
PGI Item number	TUMO-PW
Extraneous Matter:	<1%
Date of Manufacture	January 2021
Best By Date:	January 2023

ANALYSIS	RESULT	SPECIFICATION	METHOD
Aerobic Total Plate Count	<100 CFU/g	<10,000,000 CFU/g	CMMEF, APHA CHP 7, FDA BAM ONLINE CHP 3, AOAC 990.12
Coliform	<50 CFU/g	<10,000 CFU/g	AOAC 991.14
E. Coli	<10 CFU/g	<10 CFU/g	AOAC 991.14
Yeast and Mold	<100 CFU/g	<100,000 CFU/g	CMMEF APHA CHP 20
Salmonella	Negative /375g	Negative / 375g	FDA BAM CHP 5, AOAC 998.08, 2004.03, 2011.03
Micro Reduction	Micro reduction treatment performed/completed Steam Sterilized		
Lead (Pb)	0.091 ppm	<5 ppm	ICP-MS/AOAC 993.14
Arsenic (As)	0.0335 ppm	<5 ppm	ICP-MS/AOAC 993.14
Cadmium (Cd)	0.00701 ppm	<2 ppm	ICP-MS/AOAC 993.14
Mercury (Hg)	ND ppm	<1 ppm	ICP-MS/AOAC 993.14
Heavy Metals Combined Total		<10 ppm	

2535 Business Parkway, Minden, Nevada 89423; Tel. No: 1-775-297-4047

Contact: sales@puregroundingredients.com; qa@puregroundingredients.com



PUREGROUND INGREDIENTS

CERTIFICATE OF ANALYSIS

ORGANIC GINGER ROOT, TEA CUT

LOT# GINO-4672458TMB-TC-391I

Product Name	Organic Ginger Root, Tea Cut
Botanical Name	<i>Zingiber officinale</i>
Country of Origin	India
Certification	USDA NOP Certified Organic
PGI Item number	GINO-TC
Extraneous Matter:	<1%
Date of Manufacture	March 2021
Best By Date:	March 2023

ANALYSIS	RESULT	SPECIFICATION	METHOD
Aerobic Total Plate Count	95 000 CFU/g	<10,000,000 CFU/g	CMMEF, APHA CHP 7, FDA BAM ONLINE CHP 3, AOAC 990.12
Coliform	20 CFU/g	<10,000 CFU/g	AOAC 991.14
E. Coli	<10 CFU/g	<10 CFU/g	AOAC 991.14
Yeast and Mold	<100 CFU/g	<100,000 CFU/g	CMMEF APHA CHP 20
Salmonella	Negative /375g	Negative/375g	FDA BAM CHP 5, AOAC 998.08, 2004.03, 2011.03
Micro Reduction	Micro reduction treatment performed/completed Steam Sterilized		
Lead (Pb)	0.65 ppm	< 5 ppm	ICP-MS/AOAC 993.14
Arsenic (As)	0.07 ppm	< 5 ppm	ICP-MS/AOAC 993.14
Cadmium (Cd)	0.03 ppm	< 2 ppm	ICP-MS/AOAC 993.14
Mercury (Hg)	ND ppm	< 1 ppm	ICP-MS/AOAC 993.14
Heavy Metals Combined Total		< 10 ppm	

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PUREGROUND INGREDIENTS

CERTIFICATE OF ANALYSIS
ORGANIC CARDAMOM SEED, TEA CUT
LOT# CSSO-3032411MR-TC-882I

Product Name Organic Cardamom Seed, Tea Cut
Botanical Name *Elettaria cardamomum*
Country of Origin Guatemala
Certification USDA NOP Certified Organic
PGI Item number CSSO-TC
Extraneous Matter: <1%
Date of Manufacture June 2021
Best By Date: June 2023

ANALYSIS	RESULT	SPECIFICATION	METHOD
Aerobic Total Plate Count	5,600 CFU/g	<10,000,000 CFU/g	CMMEF, APHA CHP 7, FDA BAM ONLINE CHP 3, AOAC 990.12
Coliform	<10 CFU/g	<10,000 CFU/g	AOAC 991.14
E. Coli	<10 CFU/g	<10 CFU/g	AOAC 991.14
Yeast and Mold	<100 CFU/g	<100,000 CFU/g	CMMEF APHA CHP 20
Salmonella	Negative /375g	Negative/375g	FDA BAM CHP 5, AOAC 998.08, 2004.03, 2011.03
Micro Reduction	Micro reduction treatment performed/completed IRD/Infrared		
Lead (Pb)	0.0739 ppm	< 5 ppm	ICP-MS/AOAC 993.14
Arsenic (As)	ND ppm	< 5 ppm	ICP-MS/AOAC 993.14
Cadmium (Cd)	0.19 ppm	< 2 ppm	ICP-MS/AOAC 993.14
Mercury (Hg)	ND ppm	< 1 ppm	ICP-MS/AOAC 993.14
Heavy Metals Combined Total		< 10 ppm	

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PUREGROUND INGREDIENTS

CERTIFICATE OF ANALYSIS

ORGANIC BLACK PEPPER, PREMIUM, TEA CUT

LOT# BLAP-4672528TMN-TC-862I

Product Name Organic Black Pepper, Premium, Tea Cut
Botanical Name *Piper nigrum*
Country of Origin India
Certification USDA NOP Certified Organic
PGI Item number BLAP-TC
Extraneous Matter: <1%
Date of Manufacture June 2021
Best By Date: June 2023

ANALYSIS	RESULT	SPECIFICATION	METHOD
Aerobic Total Plate Count	400 CFU/g	<10,000,000 CFU/g	CMMEF, APHA CHP 7, FDA BAM ONLINE CHP 3, AOAC 990.12
Coliform	<10 CFU/g	<10,000 CFU/g	AOAC 991.14
E. Coli	<10 CFU/g	<10 CFU/g	AOAC 991.14
Yeast and Mold	<100 CFU/g	<100,000 CFU/g	CMMEF APHA CHP 20
Salmonella	Negative /375g	Negative/375g	FDA BAM CHP 5, AOAC 998.08, 2004.03, 2011.03
Micro Reduction	Micro reduction treatment performed/completed Steam Sterilized		
Lead (Pb)	0.0386 ppm	< 5 ppm	ICP-MS/AOAC 993.14
Arsenic (As)	0.0119 ppm	< 5 ppm	ICP-MS/AOAC 993.14
Cadmium (Cd)	0.0195 ppm	< 2 ppm	ICP-MS/AOAC 993.14
Mercury (Hg)	0.00886 ppm	< 1 ppm	ICP-MS/AOAC 993.14
Heavy Metals Combined Total		< 10 ppm	

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PUREGROUND INGREDIENTS

CERTIFICATE OF ANALYSIS

ORGANIC NUTMEG, GROUND

LOT# NUTO-4421739MR-GR-064F

Product Name Organic Nutmeg, Ground
 Botanical Name *Myristica fragrans*
 Country of Origin Indonesia
 Certification USDA NOP Certified Organic
 PGI Item number NUTO-GR
 Extraneous Matter: <1%
 Date of Manufacture June 2019
 Best By Date: June 2021

ANALYSIS	RESULT	SPECIFICATION	METHOD
Aerobic Total Plate Count	<1,000 CFU/g	<10,000,000 CFU/g	CMMEF, APHA CHP 7, FDA BAM ONLINE CHP 3, AOAC 990.12
Coliform	<10 CFU/g	<10,000 CFU/g	AOAC 991.14
E. Coli	<10 CFU/g	<10 CFU/g	AOAC 991.14
Yeast and Mold	<10 CFU/g	<100,000 CFU/g	CMMEF APHA CHP 20
Salmonella	Negative /375g	Negative/375g	FDA BAM CHP 5, AOAC 998.08, 2004.03, 2011.03
Lead (Pb)	0.00809 ppm	< 5 ppm	ICP-MS/AOAC 993.14
Arsenic (As)	ND ppm	< 5 ppm	ICP-MS/AOAC 993.14
Cadmium (Cd)	0.0487 ppm	< 2 ppm	ICP-MS/AOAC 993.14
Mercury (Hg)	ND ppm	< 1 ppm	ICP-MS/AOAC 993.14
Heavy Metals Combined Total		< 10 ppm	

REPORT ID # BR10020; BP85048; BP85050; BM68687; BT35000; BR0020; BT88022; BP85049;
 49484; 49487; 44006; 2356327-0

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Contact: sales@puregroundingredients.com; qa@puregroundingredients.com

Whole Herb Company

A Berje, Inc. Group Company

Item Code: ASH15001
Product Name: Ashwaganda Root F/C Organic
Lot Number: 002126ST
Latin Name: *Withania somnifera*
Part used: Root
Origin: India
MFG Date: 02/2021

Description:

Color: Light Brown to Cream
Odor: Characteristic
Taste: Characteristic

Evaluation & Comments:

Particle Size: 95% through an USS 14 Mesh
<5% through a USS 60 Mesh

Microbial Analysis:

Total Plate Count: 6,800,000cfu/g
Yeast: <10cfu/g
Mold: 420cfu/g
Coliform: 14000cfu/g
E.coli: <10cfu/g
Salmonella: Negative/25g

Packaging: The product shall be packed in containers suitable to maintain product integrity during normal shipping, storage, and handling procedures.

Storage: Store under cool, dry conditions in sealed containers.
Shelf life of 3 years from mfg. date if properly stored in unopened containers.

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QA Signature: *Joe R. Ayala*

***This Document is computer generated and requires no signature

*** Electronic signature validates report.

07/21/21

Mailing: PO Box 50220 / Eugene, Oregon 97405
Phone: 800-879-3337 / Fax 510-217-4012
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Product Name: Vanilla Bean Powder
Botanical Name: *Vanilla planifolia*
Origin: India
Harvest Date: May 2018
Production Date: March 2019
Part Used: Fruit
Lot Number: 25131
Grade: Certified Organic
Treatment: None
Additives: None
Notes: N/A

Test	Specifications	Results	Method
Identity	Passed	Passed	Organoleptic
Particle Size	Varies	1 - 3mm 30% US #40 Mesh 70%	Industry Standard
Foreign Matter (% / Wt.)	<2.0%	0.00%	WHO Method
Bulk Density (g/20ml)	Varies	7.30	MRH (Untapped)
Bacterial Plate Count (Aerobic)	<10,000,000 cfu/g	74,000 cfu/g	AOAC 2015.13
Coliform	<20,000 cfu/g	<100 cfu/g	AOAC 991.14
<i>E. coli</i>	Absent/25g	Absent/25g	AOAC 991.14
<i>Salmonella</i>	Absent/25g	Absent/25g	AOAC #061203
Yeast & Mold	<100,000 cfu/g	<100,000 cfu/g	AOAC #051301
Moisture Content	<12%	7.53%	DSC Analyzer

N24P62-Testing Date: 05/06/2019

Packaging and Storage: Food grade stand up pouches, zip-lock bags, and poly woven bags. Materials need to be stored under cool, dry conditions, within certified food grade materials. Sealed poly lined corrugated cardboard boxes or poly lined sacks are recommended. Keep out of contact with natural and artificial lighting. Temperatures should not be less than 40°F or exceed 85°F.



Steven Yeager / Rachel Theobald
Quality Control Department

9/16/19
Date

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