



3517 Enterprise Drive, Suite C
 Kansas City, MO 64129
 Phone: +1 (816) 744-8260
 QA@riegafoods.com

Certificate of Analysis

| Organic Rooibos Superior | | |
|--------------------------|---------------------|------------------|
| Item #: 5073-001 | Lot Number: 0017214 | Date: 06/08/2020 |

| Product Information | | | |
|----------------------|----------------------------|-------------------|--|
| Product Name | Organic Rooibos | Appearance | Chestnut reddish brown |
| Species | <i>Aspalathus linearis</i> | Aroma | Characteristic of Organic Rooibos |
| Plant Part Used | leaves | Flavor | Characteristic of Organic Rooibos |
| Variety & Grade | Organic, NOP Certified | Particle Size | |
| Origin | South Africa | Extraneous Matter | <2% |
| Ingredient Statement | Organic Rooibos | Additives | Free of additives, preserving, processing aids, carriers |

| Quality Standards | | |
|--|------------------|---------------------------|
| Parameter | Results | Method of Analysis |
| Moisture | 8.37% | IS 1797 - 1985 |
| Total Plate Count | 450 CFU/g | IS: 5402-2012 |
| Yeast | <10 CFU/g | IS: 5403-1999 |
| Mold | <10 CFU/g | IS: 5403-1999 |
| Coliforms | <3 CFU/g | IS: 5887 (Part VI) - 1999 |
| <i>Escherichia coli</i> (<i>E. coli</i>) | <3 CFU/g | ISO16649 (Part II) 2001 |
| <i>Salmonella</i> | Not Detected/25g | BAM CHP 5, |

| Additional Information | |
|-------------------------|--|
| Certifications | USDA NOP Organic (Quality Assurance International), Kosher (Vaad HaKashruth), Vegan (Vegan Action) |
| Shelf life | 24 months under proper storage conditions in accordance with ASTA and Industry Standards. |
| Storage | Cool and dry not to exceed 90F (32.2C); in sealed poly lined corrugated cardboard containers. |
| Adulteration | All products are free of additives, carriers, processing aids, and preservatives. |
| Pesticide Residue/QUATS | All products conform to USDA NOP standards. |
| Allergens | All products are free of allergens & adhere to standards of USA, CAN, EU, Japan, & Codex Alimentarius. |
| Packaging | All packaging materials meet USDA's Agricultural Marketing Service regulation 7CFR Part 205.272(b). |

| | | |
|----------|---------------|------------|
| Form ID: | Version Date: | Version #: |
| R-002 | 07/22/2019 | 004 |

CONFIDENTIAL INFORMATION

We cannot anticipate all conditions under which this information and our products may be used either alone or in combination with other products. We accept no responsibility for results obtained by the application of this information or the safety and suitability of our products, either alone or in combination with other products. Users are advised to make their own tests to determine the safety and suitability of each such product or product combination for their own purposes. Unless otherwise agreed in writing, we sell the products without warranty, and buyers and users assume all responsibility and liability for loss or damage arising from the handling and use of our products, whether used alone or in combination with other products.



PUREGROUND INGREDIENTS

CERTIFICATE OF ANALYSIS

ORGANIC SPEARMINT, TEA CUT

LOT# SPEO-5232468TMRN-TC-742I

Product Name Organic Spearmint, Tea Cut
Botanical Name *Mentha spp.*
Country of Origin Egypt
Certification USDA NOP Certified Organic
PGI Item number SPEO-TC
Extraneous Matter: <1%
Date of Manufacture May 2021
Best By Date: May 2023

| ANALYSIS | RESULT | SPECIFICATION | METHOD |
|-----------------------------|---|----------------------|--|
| Aerobic Total Plate Count | 88 000 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 | 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) | 0.309 ppm | < 5 ppm | ICP-MS/AOAC 993.14 |
| Arsenic (As) | 0.131 ppm | < 5 ppm | ICP-MS/AOAC 993.14 |
| Cadmium (Cd) | 0.0205 ppm | < 2 ppm | ICP-MS/AOAC 993.14 |
| Mercury (Hg) | 0.0272 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 MUSHROOM CHAGA, TEA CUT

MCHO-4472363TM-TC-746I

Product Name Organic Mushroom Chaga, Tea Cut
 Botanical Name *Inonotus obliquus*
 Country of Origin China
 Certification USDA NOP Certified Organic
 PGI Item number MCHO-TC
 Extraneous Matter: <1%
 Date of Manufacture May 2021
 Best By Date: May 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 | <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) | 0.128 ppm | < 5 ppm | ICP-MS/AOAC 993.14 |
| Arsenic (As) | ND ppm | < 5 ppm | ICP-MS/AOAC 993.14 |
| Cadmium (Cd) | 0.188 ppm | < 2 ppm | ICP-MS/AOAC 993.14 |
| Mercury (Hg) | 0.0118 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

Certificate of Analysis

| | | | |
|--------------------------------|--|-------------------------|-------------------------------|
| Product | Organic <i>Ganoderma lucidum</i> | Botanical Source | <i>See active ingredients</i> |
| Lot Number | GL250620TBC | Product Code | GL*.TBC |
| Date of Manufacture | 25-Jun-20 | Expiration Date | 25-Jun-25 |
| Plant Part Used | Mycelium, primordia, fruit bodies, and extracellular compounds | | |
| Active Ingredients | 100% <i>Ganoderma lucidum</i> | Tapped Density | 0.76 g/ml |
| Particle Size | 90% pass through 60 mesh | Bulk Density | 0.52 g/ml |
| Storage Recommendations | Store in a tightly closed container. Avoid extreme variations in temperature | | |
| Origin | | Origin | USA |

| Analysis | Result | Specification | Method |
|------------------------------|-----------------|--------------------|--------------|
| Appearance / Color** | Complies | Light Brown Powder | Visual |
| Odor | Characteristic | Characteristic | Organoleptic |
| Taste | Characteristic | Characteristic | Organoleptic |
| Identification | Positive | Positive | FTIR |
| Moisture | 4.71% | ≤ 7% | AOAC 930.15 |
| Total Plate Count | 780 cfu/g | ≤ 100,000 CFU/g | AOAC 990.12 |
| Yeast & Mold | <10 CFU/g | ≤ 500 CFU/g | AOAC 2014.05 |
| Total Coliform Bacteria | <10 CFU/g | < 500 CFU/g | USP <61> |
| <i>E.coli</i> | Negative in 10g | Negative | USP <62> |
| <i>Salmonella spp.</i> | Negative in 10g | Negative | USP <62> |
| <i>S.aureus</i> | Negative in 10g | Negative | USP <62> |
| Arsenic | <0.10 ppm | < 3 ppm | ICP-MS |
| Cadmium | 0.090 ppm | < 1 ppm | ICP-MS |
| Lead | 0.027 ppm | < 1 ppm | ICP-MS |
| Mercury | <0.020 ppm | < 0.1 ppm | ICP-MS |
| Total Polysaccharide Content | 61.87% | ≥ 50 % | AMI/PS.02.3 |
| 1,3-1,6 Beta Glucan Content | 21.64% | ≥ 15 % | AMI/PS.02.3 |
| Alpha Glucan Content | 0.66% | ≤ 5 % | AMI/PS.02.3 |

**This is a natural product. Color may vary between each lot due to crop fluctuation and harvest

I certify that this certificate is true and correct to the best of my knowledge

Jackie Tomaroy

Jackie Tomaroy
Quality Control
Aloha Medicinals
Date of Issue: 07/23/2020





PUREGROUND INGREDIENTS

CERTIFICATE OF ANALYSIS

ORGANIC LEMONGRASS, TEA CUT

LOT# LEMO-3062370MZNB-TC-088I

Product Name Organic Lemongrass, Tea Cut
 Botanical Name *Cymbopogon citratus*
 Country of Origin Honduras
 Certification USDA NOP Certified Organic
 PGI Item number LEMO-TC
 Extraneous Matter: <1%
 Date of Manufacture January 2021
 Best By Date: January 2023

| ANALYSIS | RESULT | SPECIFICATION | METHOD |
|-----------------------------|---|----------------------|--|
| Aerobic Total Plate Count | 500 CFU/g | <10,000,000 CFU/g | CMMEF, APHA CHP 7, FDA BAM ONLINE CHP 3, AOAC 990.12 |
| Coliform | 150 CFU/g | <10,000 CFU/g | AOAC 991.14 |
| E. Coli | <10 CFU/g | <10 CFU/g | AOAC 991.14 |
| Yeast and Mold | 400 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 Heat Treated | | |
| Lead (Pb) | 0.118 ppm | < 5 ppm | ICP-MS/AOAC 993.14 |
| Arsenic (As) | 0.0193 ppm | < 5 ppm | ICP-MS/AOAC 993.14 |
| Cadmium (Cd) | 0.0163 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

Certificate of Analysis

| | | | |
|--------------------------------|--|-------------------------|---------------------------|
| Product | Organic <i>Hericium erinaceus</i> | Botanical Source | <i>Hericium erinaceus</i> |
| Lot Number | HE280720 | Product Code | HE*.FS |
| Date of Manufacture | 28-Jul-20 | Re-evaluation | 28-Jul-25 |
| Plant Part Used | Mycelium, primordia, fruit bodies, and extracellular compounds | | |
| Active Ingredients | 100% <i>Hericium erinaceus</i> | Origin | USA |
| Partical size | 90% through 60 mesh | Tapped Density | 0.78 g/ml |
| | | Bulk Density | 0.59 g/ml |
| Storage Recommendations | Store in a tightly closed container. Avoid extreme variations in temperature | | |

| Analysis | Specification | Result | Method |
|------------------------------|--------------------|----------------|--------------|
| Appearance / Color** | Light Brown Powder | Complies | Visual |
| Odor | Characteristic | Characteristic | Organoleptic |
| Taste | Characteristic | Characteristic | Organoleptic |
| Identification | Positive | Positive | FTIR/HPTLC |
| Moisture | ≤ 7% | 2.97% | AOAC 930.15 |
| Total Plate Count | ≤ 100,000 CFU/g | 16,000 CFU/g | AOAC 990.12 |
| Yeast & Mold | ≤ 500 CFU/g | 40 CFU/g | AOAC 2014.05 |
| Coliform | ≤ 500 CFU/g | <10 CFU/g | USP <61> |
| E.coli | Negative | Negative/10g | USP <62> |
| Salmonella spp. | Negative | Negative/10g | USP <62> |
| S.aureus | Negative | Negative/10g | USP <62> |
| Arsenic* | <3 ppm | <0.10 ppm | ICP-MS |
| Cadmium* | <1 ppm | <0.050 ppm | ICP-MS |
| Lead* | <1 ppm | <0.010 ppm | ICP-MS |
| Mercury* | < 0.1 ppm | <0.020 ppm | ICP-MS |
| Total Polysaccharide Content | ≥ 50 % | 64.04% | AMI/PS.02.3 |
| 1,3-1,6 Beta Glucan Content | ≥ 15% | 23.71% | AMI/PS.02.3 |
| Alpha Glucan Content | ≤ 5% | 0.60% | AMI/PS.02.3 |

*Subject to reduce frequency testing.

**This is a natural product. Color may vary between each lot due to crop fluctuation and harvest

I certify that this certificate is true and correct to the best of my knowledge

Jackie Tomaroy

Jackie Tomaroy
 Quality Control
 Aloha Medicinals
 Date of Issue: 08/13/2020





CERTIFICATE OF ANALYSIS

ORGANIC ANISE SEED, TEA CUT

LOT# ANIO-5232358TMN-TC-221I

| | |
|---------------------|-----------------------------|
| Product Name | Organic Anise Seed, Tea Cut |
| Botanical Name | <i>Pimpinella anisum</i> |
| Country of Origin | Egypt |
| Certification | USDA NOP Certified Organic |
| PGI Item number | ANIO-TC |
| Extraneous Matter: | <1% |
| Date of Manufacture | February 2021 |
| Best By Date: | February 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 | 1,000 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) | 0.0678 ppm | < 5 ppm | ICP-MS/AOAC 993.14 |
| Arsenic (As) | 0.0412 ppm | < 5 ppm | ICP-MS/AOAC 993.14 |
| Cadmium (Cd) | 0.0256 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

Certificate of Analysis

| | | | |
|--------------------------------|--|---------------------------|------------------|
| Product | Organic Cordyceps Unrosted | Botanical Source | <i>Cordyceps</i> |
| Lot Number | CSS300620UHA | Product Code | CSSU*.FS |
| Date of Manufacture | 3-Jun-20 | Re-Evaluation Date | 30-Jun-25 |
| Active Ingredients | 100% Cordyceps | | |
| Plant Part Used | Mycelium, primordia, fruit bodies, and extracellular compounds | | |
| Origin | USA | Tapped Density: | 0.78 g/mL |
| Partical size | 90% pass through 60 mesh | Bulk Density: | 0.60 g/mL |
| Storage Recommendations | Store in a tightly closed container. Avoid extreme variations in temperature | | |

| Analysis | Specification | Result | Method |
|------------------------------|--------------------|-----------------|---------------------------|
| Appearance / Color** | Light Brown Powder | Complies | Visual |
| Odor | Characteristic | Characteristic | Organoleptic |
| Taste | Characteristic | Characteristic | Organoleptic |
| Identification | Positive | Positive | FTIR/HPTLC |
| Moisture | ≤ 7% | 6.78% | AOAC 930.15 |
| Total Plate Count | ≤ 100,000 CFU/g | 87,000 CFU/g | AOAC 990.12 |
| Yeast & Mold | ≤ 500 CFU/g | 10 CFU/g | AOAC 997.12/ AOAC 2014.05 |
| Total Coliform Bacteria | < 500 CFU/g | < 10 CFU/g | USP <61> |
| E.coli | Negative | Negative in 10g | USP <61> |
| Salmonella spp. | Negative | Negative in 10g | USP <62> |
| S.aureus | Negative | Negative in 10g | USP <62> |
| Arsenic* | < 3 ppm | <0.10 PPM | ICP-MS |
| Cadmium* | < 1 ppm | 0.067 PPM | ICP-MS |
| Lead* | < 1 ppm | 0.045 PPM | ICP-MS |
| Mercury* | < 0.1 ppm | <0.020 PPM | ICP-MS |
| Total Polysaccharide Content | ≥ 50 % | 74.61% | AMI/PS.02.3 |
| 1,3-1,6 Beta Glucan Content | ≥ 15 % | 31.64% | AMI/PS.02.3 |
| Alpha Glucan Content | ≤ 5 % | 0.74% | AMI/PS.02.3 |
| Adenosine | Informational Only | 0.1962 mg/g | HPLC/MS |
| Cordycepin | 0.02 mg/g minimum | 0.4658 mg/g | HPLC/MS |
| Adenine | Informational Only | 0.0385 mg/g | HPLC/MS |
| Hydroxyethyl-adenosine | Informational Only | 0.0247 mg/g | HPLC/MS |
| Ethyl-adenosine | Informational Only | 0.0112 mg/g | HPLC/MS |
| Mannitol | Informational Only | 61.24 mg/g | Hyd-GC/MS |

*Subject to reduced frequency testing. Nucleosides and Mannitol are reported as typical results.

**This is a natural product. Color may vary between each lot due to crop fluctuation and harvest

I certify that this certificate is true and correct to the best of my knowledge

Jackie Tomaroy

Jackie Tomaroy
Quality Control
Aloha Medicinals
Date of Issue: 08/11/2020





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 | |

2535 Business Parkway, Minden, Nevada 89423; Tel. No: 1-775-297-4047
Contact: sales@puregroundingredients.com; qa@puregroundingredients.com