



500 Simmon Dr.
 Osceola, WI 54020, USA
www.unitedbiosci.com
 651.464.2822

Technical Data Sheet

Product Name: Turkey Tail Extract Powder, CO2 extracted (30%)
 Botanical Name: Trametes versicolor; Growing Substrate: Organic Sorghum
 Plant Part Used: Mycelium and Fruiting Bodies
 Particle Size: 95% pass 100 mesh
 Process: Organic, Kosher, Non GMO
 Bulk Density: 0.3-0.6 g/ml
 Shelf Life: 3 years when stored in a sealed container at ambient conditions

Product Description

UNITEDBIOSCIENCE product is **USDA Organic** certified and produced in a 3rd-party audited and certified FDA cGMP facility. UNITEDBIOSCIENCE product is designed for use in **gummies, capsules, powders, beverages, and functional foods.**

Tests and Specifications

| TESTS | DESCRIPTION | UNITS | METHODS | SPECIFICATIONS |
|---------------------------------------|--|-------------|-------------|--|
| Extract to Biomass Equivalency | Ratio of extract potency to biomass potency | | HPLC | 30% Water dispersible |
| Organoleptic | | | | |
| Description | Fine powder | Observation | | Free-flowing tan to light brown powder |
| Color | Tan to light brown | Observation | | Uniform tan to brown |
| Odor | Characteristic | Observation | | Mild, earthy, mushroom-like aroma |
| Assay | | | | |
| Beta-Glucans | Sum of 1,3 and 1,6 Beta Glucan | % | USP <561> | As Measured |



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| | | | | |
|------------------------------|----------|------------------|--|-------------|
| Polysaccharides | | % | HPLC | As Measured |
| Acid Value | Mg KOH/g | AOCS CD 3D-63 | <2.0 | |
| Peroxide Value | meq/kg | AOCS CD 88-90 | <10.0 | |
| Heavy Metals | | | | |
| Arsenic | ICPMS | ppm | JOAOC 2016 99(3) | <1.5 |
| Lead | ICPMS | ppm | JOAOC 2016 99(3) | <0.5 |
| Mercury | ICPMS | ppm | JOAOC 2016 99(3) | <0.1 |
| Cadmium | ICPMS | ppm | JOAOC 2016 99(3) | <0.2 |
| Microbial Purity | | | | |
| Aerobic Plate Count (APC) | | cfu/g | Test: AOAC 990.12 Limit: USP <2021> | <1,000 |
| Coliforms | | cfu/g | AOAC 989.1 Limit: USP <2021> | <100 |
| Yeast and Molds | | cfu/g | AOAC 997.02 Limit: USP <2021> | <100 |
| E. Coli | | cfu/g | AOAC 992.3 | Absent |



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| | | | | |
|----------------|---|-------|---|--------|
| | | | Limit: USP <2021> | |
| S. aureus | | cfu/g | AOAC 2003.07 Limit: USP <2021> | Absent |
| Salmonella sp. | | cfu/g | AOAC PTM #061702 Limit: USP <2021> | Absent |
| Pesticides | Broad array of pesticides tested for botanical articles | | USP <561> | Pass |

Product Information

| | |
|--|---|
| Item Number | TURKEYTAIL-001 |
| CAS-Number | 80498-15-3 |
| Country of Origin | UNITEDBIOSCIENCE product is manufactured and guaranteed in the USA. Biomass origin is Canada. |
| Compendia References | USP Monograph <561> |
| Harmonized Tariff Schedule Code | 0710.80.20 |
| Solubility | UNITEDBIOSCIENCE product is IMMISCIBLE in fats and oils. UNITEDBIOSCIENCE product is water dispersible. |



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| | |
|---------------------------------------|---|
| Stability and Storage | The shelf life in sealed, original containers stored at <25°C /77°F and well protected from light and excessive heat exposure is 36 months after the date of manufacture. Product IS especially sensitive to light; protect from light, heat, and oxygen. Flush opened containers with inert gas and tightly reseal. |
| GMP | UNITEDBIOSCIENCE confirms that the product is manufactured in a facility adhering to cGMP as defined by the FDA 21 CFR Part 117. Certified by Wisconsin State Department of Health (DATCP). |
| Non-GMO and Organic Compliance | Product IS USDA Certified Organic . Product IS free of genetically modified organisms. |
| Vegetarian/Vegan Statement | Product IS vegetarian and vegan, as it contains no animal-derived ingredients. |

Packaging Details

| Container Type | Net Weight | Gross Weight | Dimensions | Qty per Pallet Layer |
|-----------------------------|----------------|--------------|-------------------------------------|-----------------------------|
| Sample pouch | 5 g | 5.1 kg | 3" x 4" (50mm x 100mm) | N/A |
| Food grade resealable pouch | 1 kg (2.2 lbs) | 1.1 kg | 8" x 4" x 12" (20cm x 10cm x 30cm) | 60 pouches per pallet layer |
| Food grade resealable pouch | 5 kg (11 lbs) | 11 kg | 12" x 6" x 20" (30cm x 15cm x 50cm) | 24 pouches per pallet layer |
| Food grade resealable pouch | 25 kg (55 lbs) | 27 kg | 16" x 8" x 28" (40cm x 20cm x 70cm) | 15 pouches per pallet |