



TAMAQUA PA 18252

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CERTIFICATE OF ANALYSIS

IDENTIFICATION

Product Name: Wine Pine Bark Extract Powder 4:1
 Botanical Name: Pinus Strobus
 Origin: USA
 Part used: Bark

ANALYSIS

SPECIFICATION

RESULT

TEST

| | | | |
|---------------------|----------------------------|---------|--------------|
| Description | Powder | Conform | Visual |
| Identification | Positive | Conform | Conform |
| Color | Brownish | Brown | Conform |
| Taste | Characteristic | Wood | Organoleptic |
| Odor | Wood | Wood | Organoleptic |
| Loss on Drying | NMT 10.0% | 8.0% | |
| Heavy Metals | <20ppm | <15ppm | |
| (Pb) | <2ppm | 0.87ppm | |
| (As) | <2ppm | 0.21ppm | |
| Extraction Solvents | Grain Alcohol-Water System | | |
| Mesh Size | >90% through USS 60 mesh | | |

EXTRACT STRENGTH

Polyphenols
 Ratio 4:1 (Parts of Botanical: Parts of native extract)

Microbiological

| | | | |
|-------------------|---------------|--------------|-------------|
| Total Plate Count | ≤120,000cfu/g | 15,000cfu/g | FDA BAM |
| Yeast | ≤1,000cfu/g | 100cfu/g | FDA BAM |
| Mold | ≤1,000cfu/g | 100cfu/g | FDA BAM |
| Coliforms | ≤100cfu/g | ≤100cfu/g | FDA BAM |
| E. coli | Absent/10g | Absent/10g | USP <2021> |
| Salmonella | Negative/25g | Negative/25g | AOAC 998.09 |

Storage:

Store in a tightly, sealed container in a cool and dry area.
 Keep away from strong light and heat.
 This product is Non-GMO.
 This product is not treated with ETO, nor is it Gamma irradiated