



TAMAQUA PA 18252

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**CERTIFICATE OF ANALYSIS**

**IDENTIFICATION**

|                        |  |
|------------------------|--|
| <b>Product Name:</b>   | <b>Tribulus Terrestris Extract Powder &gt;20.0% (Saponins)</b> |
| <b>Botanical Name:</b> | <b>Tribulus Terrestris</b>                                     |
| <b>Origin:</b>         | <b>India</b>   |
| <b>Part Used:</b>      | <b>Fruit</b>   |

**ANALYSIS**

**SPECIFICATION**

**RESULT**

**TEST**

|                            |                      |                |              |
|----------------------------|----------------------|----------------|--------------|
| <b>Description</b>         | Powder               | Powder         | Visual       |
| <b>Identification</b>      | Positive             | Pass           | FTIR         |
| <b>Color</b>               | Yellow Brown         | Yellow Brown   | Visual       |
| <b>Taste</b>               | Characteristic       | Mild Bitter    | Organoleptic |
| <b>Odor</b>                | Characteristic       | Characteristic | Organoleptic |
| <b>Moisture</b>            | 8.0% Max             | 3.60%          | AOAC         |
| <b>Heavy Metals</b>        | ≤20ppm               | <20ppm         | ICP-MS       |
|                            | (Pb) ≤3ppm           | 0.5ppm         |              |
|                            | (As) ≤1ppm           | 0.2ppm         |              |
| <b>Solvents Used</b>       | 100% Alcohol         |                |              |
| <b>Solubility in Water</b> | 75% @ 40 C           |                |              |
| <b>Mesh Size</b>           | 100% through 60 mesh |                |              |

**Phytochemicals**

|                 |        |        |             |
|-----------------|--------|--------|-------------|
| <b>Saponins</b> | >20.0% | 22.06% | Gravimetric |
|-----------------|--------|--------|-------------|

**MICROBIOLOGICAL**

|                          |              |              |             |
|--------------------------|--------------|--------------|-------------|
| <b>Total Plate Count</b> | ≤10,000cfu/g | <10,000cfu/g | USP <2021>  |
| <b>Yeast</b>             | ≤1,000cfu/g  | 100cfu/g F   | USP <2021>  |
| <b>Mold</b>              | ≤1,000cfu/g  | 100cfu/g     | USP <2021>  |
| <b>Coliforms</b>         | ≤100cfu/g    | <10cfu/g     | FDA BAM     |
| <b>E. coli</b>           | Absent/10g   | Absent/10g   | USP <2021>  |
| <b>Salmonella</b>        | 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