



PhytoClean™

PRODUCT SPECIFICATION

sales@mazzainnovation.com

PhytoClean™ Organic Yerba Mate

| | |
|----------------------------|----------------------------|
| Ingredient | Yerba Mate |
| Scientific Name | <i>Ilex paraguariensis</i> |
| Plant Part Used | Leaves |
| Plant Origin | Brazil |
| Extraction Solvent | Low Polarity Water |
| Carrier Used | None |
| Preservative Used | None |
| Extraction Location | British Columbia, Canada |

Sensory Quality

| | SPECIFICATION | METHOD |
|--------|----------------------|---------------|
| Aspect | Free flowing Powder | Visual |
| Color | Brown | Visual |
| Flavor | Characteristic | Gustatory |
| Odor | Characteristic | Olfactory |

Analytical Quality

| | SPECIFICATION | METHOD |
|---------------------------|----------------------|----------------|
| Caffeine | TBD | HPLC |
| Theobromine | TBD | HPLC |
| Moisture | ≤ 8% | AACCI 44-40.01 |
| Residual Organic Solvents | 0% | USP/NF <467> |



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Microbiological Counts

| | SPECIFICATION | METHOD |
|------------------------------|---------------|---------------|
| Total Plate Count | ≤ 1,000 cfu/g | USP 37 <2021> |
| Yeast and Molds | ≤ 100 cfu/g | USP 37 <2021> |
| <i>Salmonella</i> | Negative | USP 37 <2022> |
| <i>Escherichia coli</i> | Negative | USP 37 <2022> |
| <i>Staphylococcus aureus</i> | Negative | USP 37 <2022> |

Heavy Metals

| | SPECIFICATION | METHOD |
|---------|---------------|--------|
| Arsenic | ≤ 1.0 ppm | ICP-MS |
| Cadmium | ≤ 1.0 ppm | ICP-MS |
| Lead | ≤ 2.0 ppm | ICP-MS |
| Mercury | ≤ 0.10 ppm | ICP-MS |

Storage Conditions Store in a tightly sealed container, in a cool room (< 25°C), sheltered from light, moisture, and oxygen.

Recommended Handling conditions This product is hygroscopic and will absorb moisture if left exposed to the atmosphere. Handling at less than 40% relative humidity is recommended.

- Quality Statements**
- No organic solvents were used in the production of this ingredient.
 - This ingredient does not contain any Genetically Modified Organisms.
 - This ingredient is not treated with ETO or gamma irradiation.
 - This ingredient qualifies for vegan status. During processing and in the final make-up, no ingredient(s) is (are) added or derived from any animal sources.

Last Update: 05/02/2017
Version: 1.0

