



PhytoClean™

PRODUCT SPECIFICATION

sales@mazzainnovation.com

PhytoClean™ Pecan

| | |
|----------------------------|--------------------------|
| Ingredient | Pecan Shell Extract |
| Scientific Name | <i>Carya illinoensis</i> |
| Plant Part Used | Shell |
| Plant Origin | USA |
| 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 | |
| Odor | Characteristic | |

Analytical Quality

| | Specification | Method |
|---------------------------|----------------------|---------------|
| Total Polyphenols | ≥45% | FC/ UV-Vis |
| Moisture | ≤5% | AACC 44-15a |
| Residual Organic Solvents | 0% | USP/NF |
| Mesh Size | 100% through 40 Mesh | USP |



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Microbiological Counts

| | Specification | Method |
|------------------------------|---------------|---------------|
| Total Plate Count | ≤1000 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 |
|---------|---------------|--------|
| Total | ≤ 5.0 ppm | ICP-MS |
| Arsenic | ≤ 1.0 ppm | ICP-MS |
| Cadmium | ≤ 1.0 ppm | ICP-MS |
| Mercury | ≤ 0.10 ppm | ICP-MS |
| Lead | ≤ 2.0 ppm | ICP-MS |

Storage Conditions Store in a tightly sealed container, in a cool room, sheltered from light, moisture, and oxygen.

Recommended Handling conditions This product is hygroscopic and will absorb moist 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: 7/29/2016
Version: 1.0

