

# Specification Sheet

## *Saw Palmetto Extract Powder*

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### General Information

|                   |                             |
|-------------------|-----------------------------|
| Product Name      | Saw Palmetto Extract Powder |
| CAS#              | NA                          |
| Origin Country    | China                       |
| Raw Material Type | Botanical Raw Powder        |
| Package           | 25kg/Drum (N.W.)            |

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### Regulatory Compliance

|                    |   |
|--------------------|---|
| Non-GMO            | Compliant   |
| Non-Irradiation    | Compliant   |
| Non-Ethylene Oxide | Compliant   |
| Non-BSE/TSE        | Compliant   |
| Components         | Saw Palmetto Extract  |
| Allergens          | None  |
| Others             | Free of gluten, animal derivatives, artificial flavors, sugar, milk |

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### Source Material

|                 |                       |
|-----------------|-----------------------|
| Genus & Species | <i>Serenoa repens</i> |
| Plant Part      | Dried Aerial Part     |
| Common Name     | Saw Palmetto Extract  |

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### Process Information

|                                 |          |
|---------------------------------|----------|
| Production Method               | Physical |
| Extract Solvent / Solvent Ratio | NA       |
| Herb to Native Extract Ratio    | NA       |
| Residual Solvent                | None     |

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### Other Information

|                    |  |
|--------------------|--|
| Shelf Life         | 24 months  |
| Storage Conditions | Room temperature, sheltered from light, moisture and oxygen.   |
| Notes              | <ol style="list-style-type: none"><li>1. It is a natural product, there is likely to be minor color variation from batch to batch of the product because of the geographical and seasonal variations of the raw material.</li><li>2. Natural products can be hygroscopic and tend to agglomerate depending on the nature of the product. It is suggested to sift before use.</li><li>3. It's important that you carefully check the above details against your own label claim.</li><li>4. Heavy metals are tested outside by ICP-MS as per AOAC Standard.</li></ol> |

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| <b>Physical Analysis</b> | <b>Specification</b> | <b>Method</b>    |
|--------------------------|----------------------|------------------|
| Identification           | Positive             | HPTLC (Alkemist) |
| Fatty Acid               | NLT 25%              | GC               |
| Appearance               | White Fine Powder    | Visual           |
| Odor                     | Characteristic       | Organoleptic     |
| Taste                    | Characteristic       | Olfactory        |
| Bulk Density             | 0.30 - 0.60g/ml      | USP <616>        |
| Particle Size            | NLT 95% Pass 80mesh  | USP <786>        |
| Moisture                 | NMT 5.0%             | USP <731>        |

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| <b>Heavy Metals</b> | <b>Specification</b> | <b>Method</b> |
|---------------------|----------------------|---------------|
| Lead (Pb)           | NMT 1.0 ppm          | AOAC 993.14   |
| Arsenic (As)        | NMT 2.0 ppm          | AOAC 993.14   |
| Mercury (Hg)        | NMT 0.5 ppm          | AOAC 993.14   |
| Cadmium (Cd)        | NMT 1.0 ppm          | AOAC 993.14   |

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| <b>Microbiologicals</b> | <b>Specification</b> | <b>Method</b> |
|-------------------------|----------------------|---------------|
| Total Plate Count       | NMT 10,000 cfu/g     | USP <2021>    |
| Yeast and Mold          | NMT 1,000 cfu/g      | USP <2021>    |
| E. Coli                 | Negative/10g         | USP <2022>    |
| Salmonella              | Negative/10g         | USP <2022>    |
| Staphylococcus          | Negative/10g         | USP <2022>    |

