



**Bio-Botanica, Inc.** 75 Commerce Drive, Hauppauge, NY 11788-3902. Tel 800-645-5720 [www.bio-botanica.com](http://www.bio-botanica.com)

**Innovative Labs, LLC.** 85 Commerce Drive, Hauppauge, NY 11788-3902. Tel 631-434-7514 [www.innovativelabsny.com](http://www.innovativelabsny.com)

**Nature's Answer Inc.** 85 Commerce Drive, Hauppauge, NY 11788-3902. Tel 800-439-2324 [www.naturesanswer.com](http://www.naturesanswer.com)

## SPECIFICATION SHEET

**Product Name :** PE PEPPERMINT LEAVES  
**Product ID :** 4490

**Expiry Date :** 48 Months  
**Mg/Unit :** 1000  
**Units/Serving :** 1

| TEST DESC                   | SPECIFICATIONS                            | METHOD                        |
|-----------------------------|-------------------------------------------|-------------------------------|
| <b>Physical</b>             |                                           |                               |
| Appearance                  | Free-flowing powder                       | COQCL-000001 / Organoleptic   |
| Ash Content                 | 55.00-75.00 %                             | COQCL-000012 / Ash            |
| Bulk Density                | 0.70-1.25 g/mL                            | COQCL-000013 / Density        |
| Color                       | Tan to brown or gray-brown                | COQCL-000001 / Organoleptic   |
| Foreign Material            | <=0.02 %                                  | COQCL-000011 / Foreign Matter |
| Identification - HPTLC      | Sample compares to standard               | COTP-ALK-IDT_SOP_72_01        |
| Identification - TRU ID DNA | Conforms to reference spectrum (Annually) | COTP-MIDI-SOP044              |
| Loss on Drying / Moisture   | <=5.00 %                                  | COQCL-000100 / LOD            |
| Mesh Size / Particle Size   | 90.00-100.00 %                            | COQCL-000021 / Particle Size  |
| Odor                        | Mildly herbal                             | COQCL-000001 / Organoleptic   |

|                    |            |                       |
|--------------------|------------|-----------------------|
| <b>Contaminant</b> |            |                       |
| Arsenic (As)       | <=1.50 ppm | COQCL-000095 / ICP-MS |
| Cadmium (Cd)       | <=1.00 ppm | COQCL-000095 / ICP-MS |
| Lead (Pb)          | <=3.00 ppm | COQCL-000095 / ICP-MS |
| Mercury (Hg)       | <=0.10 ppm | COQCL-000095 / ICP-MS |

|                        |                |                         |
|------------------------|----------------|-------------------------|
| <b>Microbiological</b> |                |                         |
| Combined Yeast & Mold  | <500 cfu/g     | COQCL-000501 / BioLumix |
| E.coli                 | Absent in 10 g | COQCL-000501 / BioLumix |
| Salmonella             | Absent in 10 g | COQCL-000501 / BioLumix |
| Staph. aureus          | Absent in 10 g | COQCL-000501 / BioLumix |
| TAC                    | <5,000 cfu/g   | COQCL-000501 / BioLumix |



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### TEST DESC

### SPECIFICATIONS

### METHOD

**Other Ingredients:**

Di-Calcium Phosphate, Peppermint Leaf Extract 4:1 Extract Ratio, Caramel Color

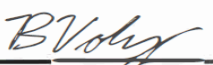
**Packaging and Storage Statement:**

5 gallon white HDPE plastic pail with SBR gasket and HDPE locking lid or 55 gallon blue HDPE plastic drum with SBR gasket and HDPE locking lid.  
Store well sealed at room temperature away from heat.

**Stability and Expiration Dating:**

48 Months

Approved By:

  
Brendan Volz  
Quality and Food Safety Supervisor  
(Electronically Signed)