



## Organic Bladderwrack Powder INCI: Fucus Vesiculosus (Bladderwrack) Powder Product ID: OSVBLADDER70\_100

Specifications

| Analytical Details<br>Appearance:<br>Flavor:<br>Aroma:<br>Moisture:<br>Total Ash:Methods<br>Organoleptic<br>Organoleptic<br>Organoleptic<br>OrganolepticSpecifications<br>Tan/Brown to Green Powder<br>Salty<br>Briny<br>60 Mesh<br>≤ 13%<br>20-36%Microbiological<br>Total Ash:AOAC 121204<br>AOAC 060702<br>AOAC 060702<br>Mold & Yeast:<br>E Coli:<br>Salmonella:<br>AOAC 121204< 100000 MPN/g<br><br><br><br><br>AOAC 041001<br>AOAC 120901<br>AOAC 121204Heavy Metals<br>Arsenic, Inorganic:<br>Lead:<br>Cadmium:<br>Mercury:EPA Method 1632<br>Pressure Digestion & ICP-MS (AOAC<br>2013.06)< 1 ppm<br><br>< 2 ppm<br><br>< 0.1 ppm   |                             | Specifications  |                |
|---|-----------------------------|---|----------------|
| Appearance:OrganolepticTan/Brown to Green PowderFlavor:OrganolepticSaltyAroma:OrganolepticBrinyMesh:60 MeshMoisture:≤ 13%Total Ash:20-36%MicrobiologicalTotal Aerobic Count:AOAC 121204Coliforms:AOAC 060702Mold & Yeast:AOAC 041001Coli:USP 31 <62>Negative/10gSalmonella:AOAC 121204AOAC 120901Negative/10gSalmonella:AOAC 120901AOAC 121204< 100 MPN/gHeavy MetalsAOAC 121204Arsenic, Inorganic:EPA Method 1632Lead:Pressure Digestion & ICP-MS (AOACCadmium:2013 06)  |                             |   |                |
| Appearance:OrganolepticTan/Brown to Green PowderFlavor:OrganolepticSaltyAroma:OrganolepticBrinyMesh:60 MeshMoisture:≤ 13%Total Ash:20-36%MicrobiologicalTotal Aerobic Count:AOAC 121204Coliforms:AOAC 060702Mold & Yeast:AOAC 041001Coli:USP 31 <62>Negative/10gSalmonella:AOAC 121204AOAC 120901Negative/10gSalmonella:AOAC 120901AOAC 121204< 100 MPN/gHeavy MetalsAOAC 121204Arsenic, Inorganic:EPA Method 1632Lead:Pressure Digestion & ICP-MS (AOACCadmium:2013 06)  | Analytical Details          | Methods   | Specifications |
| Flavor:OrganolepticSaltyAroma:OrganolepticBrinyMesh:60 MeshMoisture:≤ 13%Total Ash:20-36%Microbiological7Total Ash:20-36%MicrobiologicalTotal Aerobic Count:AOAC 121204AOAC 060702< 100 MPN/gColiforms:AOAC 060702Mold & Yeast:AOAC 041001< 1000 MPN/gE. Coli:USP 31 <62>Negative/10gSalmonella:AOAC 120901AOAC 121204< 100 MPN/gHeavy MetalsArsenic, Inorganic:EPA Method 1632Lead:Pressure Digestion & ICP-MS (AOACCadmium:2013 06)   |                             | Organoleptic  |                |
| Aroma:OrganolepticBriny<br>60 Mesh<br>$\leq 13\%$<br>20-36%Moisture: $\leq 13\%$<br>20-36%Microbiological<br>Total Ash: $20-36\%$ Microbiological<br>Total Aerobic Count:AOAC 121204<br>AOAC 060702<br>AOAC 060702 $< 100000$ MPN/g<br>$< 100 MPN/g$<br>$< 1000 MPN/g$<br>$= 100 MPN/g$<br>Mold & Yeast:AOAC 060702<br>AOAC 041001<br>$< 1000 MPN/g$<br>$= 10000 MPN/g$<br>$= 1000 MPN/g$<br>$= 1000 MPN/g$<br>$= 1000 MPN/g$<br>$= 1000 MPN/g$<br>$= 10000 MPN/g$<br>$= 1000 MPN/g$<br>$= 100$ |                             | 5 1   |                |
| Mesh:<br>Moisture:<br>Total Ash: $60$ Mesh<br>$\leq 13\%$<br>$20-36\%$ Microbiological<br>Total Aerobic Count:AOAC 121204<br>AOAC 060702 $c$ 100000 MPN/g<br>$< 1000$ MPN/gMold & Yeast:<br>E. Coli:<br>Salmonella:<br>S. Aureus:AOAC 041001<br>$AOAC 122901$<br>$AOAC 121204c 1000 MPN/gc 1000 MPN/gHeavy MetalsArsenic, Inorganic:Lead:Cadmium:EPA Method 1632Pressure Digestion & ICP-MS (AOAC2013 06)c 1 ppmc 2 ppm$  | Aroma:                      | Organoleptic  |                |
| Total Ash:20-36%MicrobiologicalAOAC 121204< 100000 MPN/g  | Mesh:                       |   | 60 Mesh        |
| MicrobiologicalTotal Aerobic Count:AOAC 121204< 100000 MPN/gColiforms:AOAC 060702< 100 MPN/gMold & Yeast:AOAC 041001< 1000 MPN/gE. Coli:USP 31 <62>Negative/10gSalmonella:AOAC 120901Negative/10gS. Aureus:AOAC 121204< 100 MPN/gHeavy MetalsAOAC 121204< 100 MPN/gArsenic, Inorganic:EPA Method 1632< 1 ppmLead:Pressure Digestion & ICP-MS (AOAC< 2 ppmCadmium:2013 06)< 2 ppm  | Moisture:                   |   | ≤ 13%          |
| Total Aerobic Count: AOAC 121204 < 100000 MPN/g   Coliforms: AOAC 060702 < 100 MPN/g   Mold & Yeast: AOAC 041001 < 1000 MPN/g   E. Coli: USP 31 <62> Negative/10g   Salmonella: AOAC 120901 Negative/10g   S. Aureus: AOAC 121204 < 100 MPN/g   Heavy Metals AOAC 121204 < 100 MPN/g   Heavy Metals Pressure Digestion & ICP-MS (AOAC < 2 ppm   Cadmium: 2013 06) 2013 06) < 2 ppm  | Total Ash:                  |   | 20-36%         |
| Total Aerobic Count: AOAC 121204 < 100000 MPN/g   Coliforms: AOAC 060702 < 100 MPN/g   Mold & Yeast: AOAC 041001 < 1000 MPN/g   E. Coli: USP 31 <62> Negative/10g   Salmonella: AOAC 120901 Negative/10g   S. Aureus: AOAC 121204 < 100 MPN/g   Heavy Metals AOAC 121204 < 100 MPN/g   Heavy Metals Pressure Digestion & ICP-MS (AOAC < 2 ppm   Cadmium: 2013 06) 2013 06) < 2 ppm  |                             |   |                |
| Coliforms: AOAC 060702 < 100 MPN/g   Mold & Yeast: AOAC 041001 < 1000 MPN/g   E. Coli: USP 31 <62> Negative/10g   Salmonella: AOAC 120901 Negative/10g   S. Aureus: AOAC 121204 < 100 MPN/g   Heavy Metals AOAC 121204 < 100 MPN/g   Arsenic, Inorganic: EPA Method 1632 < 1 ppm   Lead: Pressure Digestion & ICP-MS (AOAC < 2 ppm   Cadmium: 2013 06) < 2 ppm  | <u>Microbiological</u>      |   |                |
| Mold & Yeast: AOAC 041001 < 1000 MPN/g   E. Coli: USP 31 <62> Negative/10g   Salmonella: AOAC 120901 Negative/10g   S. Aureus: AOAC 121204 < 100 MPN/g   Heavy Metals AOAC 121204 < 100 MPN/g   Arsenic, Inorganic: EPA Method 1632 < 1 ppm   Lead: Pressure Digestion & ICP-MS (AOAC < 2 ppm   Cadmium: 2013 06) < 2 ppm   | <b>Total Aerobic Count:</b> | AOAC 121204   | < 100000 MPN/g |
| E. Coli:USP 31 <62>Negative/10gSalmonella:AOAC 120901Negative/10gS. Aureus:AOAC 121204< 100 MPN/g   | Coliforms:                  | AOAC 060702   | < 100 MPN/g    |
| Salmonella:AOAC 120901Negative/10gS. Aureus:AOAC 121204< 100 MPN/gHeavy MetalsArsenic, Inorganic:EPA Method 1632< 1 ppmLead:Pressure Digestion & ICP-MS (AOAC< 2 ppmCadmium:2013 06)< 2013 06< 2 ppm  | Mold & Yeast:               | AOAC 041001   | < 1000 MPN/g   |
| S. Aureus: AOAC 121204 < 100 MPN/g   Heavy Metals Arsenic, Inorganic: EPA Method 1632 < 1 ppm   Lead: Pressure Digestion & ICP-MS (AOAC < 2 ppm   Cadmium: 2013 06) < 2 ppm   |                             |   | Negative/10g   |
| Heavy MetalsArsenic, Inorganic:Lead:Cadmium:2013.06)  | Salmonella:                 | AOAC 120901   | Negative/10g   |
| Arsenic, Inorganic:EPA Method 1632< 1 ppm   | S. Aureus:                  | AOAC 121204   | < 100 MPN/g    |
| Arsenic, Inorganic:EPA Method 1632< 1 ppm   |                             |   |                |
| Lead:Pressure Digestion & ICP-MS (AOAC< 2 ppm   |                             |   |                |
| Cadmium: Pressure Digestion & ICP-MS (AOAC < 2 ppm  |                             | EPA Method 1632   | ••             |
| <b>Cadmium:</b> 2013.06) < < 2 ppm  |                             | Pressure Digestion & ICP-MS (AOAC                                       | ••             |
| <b>Mercury:</b> <0.1 ppm  |                             |   |                |
|   | Mercury:                    | 2013.00)  | <0.1 ppm       |
|   |                             |   |                |
|   |                             |   |                |
| Chalf Life:   | Chalf Life:                 |   |                |
| Shelf Life: 5 Years   | Shell Life:                 | 5 Tears   |                |
| Hygroscopic and photosensitive material. Keep tightly closed and out of   |                             | Hygroscopic and photosensitive material. Keep tightly closed and out of |                |
| <b>Storage:</b> sunlight. Store cool (30-60°F), dry, and away from odors.   | Storage:                    |   |                |

Note: This product is wild, natural marine algae. Naturally occurring fluctuations in content are due to season, weather conditions, tidal flow, and time of harvest. Parameters are not tested on every batch.

## Date: 12/06/2024

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