

# VERMITERRA MEDIUM

## EXFOLIATED VERMICULITE

### SEEDLINGS AMPLIFIER – SUBSTRATE TEMPERATURE STABILIZER

**Product Description :** Vermiculite is a hydrous phyllosilicate mineral, which belongs in the group of clays and specifically in crystalline clays with lamellar structure. Its characteristic is that it contains trapped water between its layers. It looks like mica. The interlayered water evaporates at a temperature of 900°C, resulting in the expansion (exfoliation) of the mineral up to 30 times compared to its original volume. The exfoliation turns the fine flakes of the mineral into lightweight, accordion-like porous granules containing numerous layers of air.



**Advantages :**

- Does not rot
- Doesn't mold, it is time endurant
- It is odorless and non-toxic
- It has a controlled pH
- It is sterile from pathogens

**Usage :**

<ul style="list-style-type: none"> <li>• Seedlings production</li> <li>• Soil improver</li> <li>• Organic agriculture</li> <li>• Hydroponics</li> </ul>	<ul style="list-style-type: none"> <li>• Horticultural and floricultural plants</li> <li>• Vegetables farming</li> <li>• Vines cultivation</li> <li>• Mushrooms cultivation</li> </ul>
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<b>Technical Features :</b>	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; vertical-align: top;">           Grain size :         </td><td style="width: 50%; vertical-align: top;">           Exfoliated grain nominal size, 0.5 – 5 mm            Grain distribution, 60 – 70% &gt; 3 mm         </td></tr> <tr> <td colspan="2">           Dry apparent weight : 100 - 120 kg/m<sup>3</sup> (EN 13040)         </td></tr> <tr> <td colspan="2">           pH: 8.2 ± 1% (EN 13037)            1:5 v/v sample/deionized water         </td></tr> <tr> <td colspan="2">           Electrical conductivity in extract : 45 - 55 µS/cm (EN 13038)            1:5 v/v sample/deionized water         </td></tr> <tr> <td colspan="2">           Water Holding capacity : 370 - 390 ml H<sub>2</sub>O /100 g            δείγματος (Methods of analysis for soils)         </td></tr> <tr> <td colspan="2">           Cation exchange capacity: 52 meq Na /100g (Methods of soil chemical analyses)         </td></tr> </table>	Grain size :	Exfoliated grain nominal size, 0.5 – 5 mm Grain distribution, 60 – 70% > 3 mm	Dry apparent weight : 100 - 120 kg/m <sup>3</sup> (EN 13040)		pH: 8.2 ± 1% (EN 13037) 1:5 v/v sample/deionized water		Electrical conductivity in extract : 45 - 55 µS/cm (EN 13038) 1:5 v/v sample/deionized water		Water Holding capacity : 370 - 390 ml H <sub>2</sub> O /100 g δείγματος (Methods of analysis for soils)		Cation exchange capacity: 52 meq Na /100g (Methods of soil chemical analyses)	
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Typical chemical analysis:				Heavy metals:			
SiO <sub>2</sub>	34 - 43%	Fe <sub>2</sub> O <sub>3</sub>	5 - 13%	Cd	≤ 1.5 mg/kg	Ni	≤ 100 mg/kg
MgO	10 - 15%	K <sub>2</sub> O	2 - 4%	Cr VI	≤ 2 mg/kg	Pb	≤ 120 mg/kg
Al <sub>2</sub> O <sub>3</sub>	7 - 15%	CaO	3 - 8 %	Hg	≤ 1 mg/kg	As	≤ 40 mg/kg

No radioactivity or asbestos is detected in the material.

**Packaging :** Bags of 100lt in pallet of 30 bags