

# QUALITY CERTIFICATE

## 1.CHARACTERISTIC

Name of Product : *PERLITE ORE*  
Size of Product : *(0,60-1,20 mm )*  
Used For : *Insulation, fire resistant products, construction, lightweight products, building materials, dry mix mortars, textile, agriculture.*

## 2.CHEMICAL COMPOSITION

|                                    |                   |
|------------------------------------|-------------------|
| <i>SiO<sub>2</sub></i>             | <i>71-74</i>      |
| <i>Al<sub>2</sub>O<sub>3</sub></i> | <i>12-14</i>      |
| <i>K<sub>2</sub>O</i>              | <i>5-6</i>        |
| <i>NA<sub>2</sub>O</i>             | <i>3-4</i>        |
| <i>MgO</i>                         | <i>0,10-0,20</i>  |
| <i>CaO</i>                         | <i>0,8-0,1</i>    |
| <i>Fe<sub>2</sub>O<sub>3</sub></i> | <i>0,5-1</i>      |
| <i>TiO<sub>2</sub></i>             | <i>0,09-0,012</i> |
| <i>Loss of Ignition</i>            | <i>3-4</i>        |

## 3.PHYSICAL PROPERTIES

|                        |                                    |
|------------------------|------------------------------------|
| <i>Rock Structures</i> | <i>:Classical Perlite</i>          |
| <i>Colour</i>          | <i>:Light Grey</i>                 |
| <i>Bulk Density</i>    | <i>:1000-1200 kg/m<sup>3</sup></i> |
| <i>Specific Weight</i> | <i>:2,0-2,4 gr/cm<sup>3</sup></i>  |
| <i>Moisture</i>        | <i>:max. 1%</i>                    |
| <i>Ph</i>              | <i>:6 – 8,5</i>                    |

## 4.SIEVE ANALYSIS %

|                 |                |
|-----------------|----------------|
| <i>+1,20 mm</i> | <i>Max. 15</i> |
| <i>-0,60 mm</i> | <i>Max. 15</i> |