



Tourmaline Powder (800 meshes)

[Specification]

Granule sizes: 18 μ m

[Color]

Offwhite

[Main Ingredients]

| | | |
|---------------------------------------|-------------------------|--|
| SiO ₂ : 50.97 | Na ₂ O: 0.73 | P ₂ O ₅ : 0.05 |
| AlO ₃ : 12.63 | K ₂ O: 0.21 | LiO < 0.05 |
| Fe ₂ O ₃ : 7.25 | CaO: 0.1 | SnO ₂ < 0.01 |
| FeO: 1.30 | TiO ₂ : 0.2 | Ta ₂ O ₅ < 0.001 |
| Mg ₂ O: 0.24 | MnO: 0.03 | Nb ₂ O ₅ < 0.005 |
| WO ₃ < 0.01 | | |

[Elements]

Tourmaline Powder is one kind of silicate substance with aluminium, natrium, magnesium and lithium ring structure being of containing boron. It is of thermoelectricity and piezoelectricity. Due to the electric self-polarization of tourmaline, polarized energy comes from the change of temperature, the heat releasing coefficient is $10^{-7} \sim 4 \times 10^{-6} \text{c.cm}^{-2} \cdot \text{k}^{-1}$. When the temperature and pressure changes (including micro change), then will cause potential difference (voltage). This kind of static voltage is up to 1 million electron volts and will accelerate surrounding air occur ionization. The electrons being shot down adhere close water and oxygen molecule, and make them transform into air negative ions (namely H_3O_2^- and O_3^{2-}), and make polarity ions in balance position oscillate, so that causes dipole square change to generate negative ions.

[Advantages]

Tourmaline Powder can persistently release negative ions, emit far infrared ray and generate 0.06mA biological current. Hence it can purify air, accelerate the microcirculation of the body, adjust the balance of the body, resist bacterium and diminish inflammation, resist fatigue, soothe the nerves and quiet breath, and build up body health.

[Main Features]

Amount of generating negative ions: 426pc/s.cm³
Radiance of far infrared ray (the wavelength is 2~25 μ m) : 91~93%
Specific gravity: 3.0~3.2
PH of soaking water solution: 7.2~7.6
Insoluble and gradually release mineral microelements.

[Packing, Storage and Transportation]

Plastic bag outside, transparent PE bag padded inside, 25kg/bag, or customized
Keep from raining, and avoid moisture. Stored in dry place.

[Instruction For Use]

1. Tourmaline Powder can be put into water of vases directly for cultivating fresh flowers without earth.

Suggested amount of putting tourmaline powder is about 1~3cm (Height), generally with of 1~2cms.

The highest using temperature: 1250°C

2. It can be added into plastic mother material, chemical fibre, sponge, non-woven, cosmetic and



ornaments, etc. to increase its functions.

3. Utilize these products to remake into various environmental protection commodities, such as sofa, chair pad, bedding, clothing ornament and filter medium, etc.

[Application]

It can be used in domestic cultivating flowers and the industry such as environmental protection, energy source, health care, hairdressing, textile, paper making, ceramic industry, building materials, ornaments, etc.

[Price]