Derma Health Powder

Derma Health Powder is a mineral mixture from the plant realm and contains only minerals that are found in the natural world. Also known as German brown coal.

How does Derma Health Powder function?

Derma Health Powder is a mineral plant mixture, devoid of lime, antibiotics or chemical addition whatsoever. Derma Health Powder contains a high degree of oxidation (pH-value: 9-10.5. SG) directlty resulting in destruction of many bacteria. Because of this, and partly due to the high absorption capacity of Derma Health Powder, stable floors turn clean and dry.

Most bacteria measure about 1 – 5 µm (0.001-0.005 mm) in length. Sizes, however, may vary per species. The parasitic bacterium Rickettsia may measure 0.1 µm (0.0001 mm), whilst the "sulphur consumer" giant bacteria *Thiomargarita namibiensis* may measure up to 750 micrometer (0.75 mm).

pH

As far as sensitivity to the acidity of the environment is concerned bacteria can be classified as

- acidogeen, which is a micro-organism that can produce acidity from food sources, which consequently lower the pH.
- acidofiel is a micro-organism that can grow well at low pH. alkalifiel is a micro-organism that can grow well at a high pH (9-11). *(A **alkalifiel** is a type of microbe that is classified as extremofiel. Alkaliphiles life in an extreme, alkaline environment with a acidity ranging from 9 to 11 pH, such as salt flats and soil rich in carbonates. In order to survive, they keep the degree of acidity in their cells at about 8 pH by constantly pumping hydrogenions (H^+) in the form of hydroxoniumionen (H_3O^+) through their cell membrane into their cytoplasm.)*

Most bacteria grow at neutral pH of 7 and can generally tolerate a pH range from 5 to 8.

German Brown Coal (DHP) with a high degree of oxidation ... pH - value : 9-10.5. SG:

Composition:

Derma Health Powder-Semi-Quantitative Chemical Analysis (wt%): F 0130, Na2O, Al2O3, SiO2, MgO 1.26 1.81 25.8 31.8, P2O5, K2O, SO3 0158 6.77, Cl 0.023 1.31, CaO 17.1. TiO2, Fe2O3, MnO, Cr2O3 0.021 0.030 2.49 3.97, 0.039 0.011 Co3O4, NiO, CuO 0.010, 0.011, 0.012 0.007 Ga2O3, As2O3 ZnO, Rb2O, Y2O3, ZrO2, SrO 0.028 0.015 0.005 0045. Nb2O5 0.013 0.006 0.001 0036, BaO, CeO2, PbO, Sum 92,898

Note that the sum of the elements is not 100%. This is due to the fact that light elements such as H, Li, C, O & N and molecules such as OH, H2O, CO3, are not measured by XRF. Thus, the amount of the light elements can be estimated by subtracting the sum values given from 100%.