

Like having **brilliant jewels** inside of your mouth

whitening
prevent gingivitis
fresh breath

POINT

Prevents plaque, and gives teeth a smooth surface

These ingredients attach to existing plaque and remove it, to make teeth like jewels.



Pearl powder
from Ehime



Coral Powder
from Okinawa



Zeolite
from Mie
(mineral from natural soil)

POINT

For mouth and gum care, and preventing harmful bacteria

Cleans inside the mouth and makes gums healthy



Chamomile
Extract



Sea Salt



Clove
Extract

Dental approach of LIMANATURAL

We are concerned about harmful bacteria in the mouth caused by tooth decay and gingivitis.

This product is made with all natural ingredients, to treat and foster a good condition in your mouth.



BIO
cleaner*

We use natural materials out of respect for the environment. Wheat bran, rice bran enzymes and helpful microbes naturally ferment to produce BIO.



Natural Amino
Acids Extract
(Humus Extract)

Natural Amino Acid extract from the earth, from the Hakua period. It kills harmful bacteria in the mouth.

*our company's research



Organic Sword
Bean Seed

This plant was the model for "Jack and the Beanstalk." It's a lively and powerful plant. Creates a good environment in the mouth to stop bad breath, using amino acids and poly phenol.



Natural toothpaste
for dental hygiene and aging care

LIMANATURAL
DENTAL WHITE

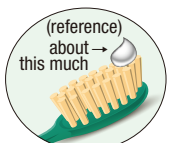
60g (once 0.3g, for about 200 times) **¥2,300**+TAX

Natural Salt and citrus mint
gives a mild and fresh flavor.



Not much is needed, only a small amount of paste each time, less foam compared to usual toothpastes.

No chemical oils, sulfate free,
no artificial fragrance, paraben free



* BIO cleaner was developed in Environmental Engineering & Technology Research Institute by Dr. Takashi Hirai.

We ensured in production that **this product is safe, if ingested, and safe for the environment.**
A clean mouth and teeth provide energy for your life. ... LIMANATURAL is supporting your healthy lifestyle.

...From Nature
To Natural ...

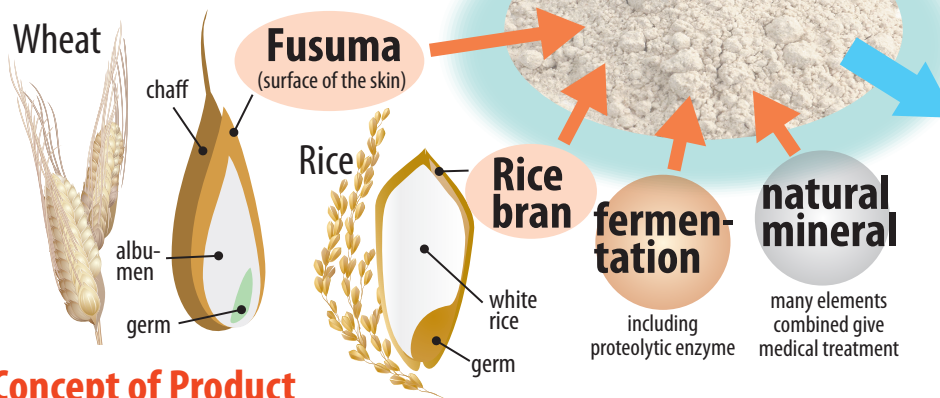
**PRODUCED in a way
only LIMANATURAL can**

*patent pending

Originality of natural production (1) **Carefully consider the cleaner's ingredients**

100% natural environmental materials

BIO cleaner



Beneficial bacteria "Bacillus"

A completely safe bacteria also found in natto. They are living all over in natural earth. Bacillus has survived over a billion years, withstanding the many changes to the Earth. It created the soil when Earth had nothing but rocks.

Good for the environment

unit:mg/L	BOD*	COD*
BIO cleaner	120	53
usual detergent levels	810	170

Japan Oilstuff Inspectors' Corporation's research

BOD/COD: The amount of enzymes needed to dissolve organic materials in water.

BOD: Biochemical Oxygen Demand (decomposition by a microbe) / **COD:** Chemical Oxygen Demand (decomposition by an oxidizing agent)

*If BOD is high in rivers and ponds, it is harmful to marine life, due to lack of oxygen.

Concept of Product

In short: **"From Nature To Natural."** Our products are developed out of a respect for nature, so everything we use is completely natural. We are using living microbes and enzymes that have the power to clean, and remove bad and harmful things. After we use the microbes, **we return them back to life in nature.** These microbes **thrive and multiply after being returned to nature, and improve the condition of the environment.**

Because no chemicals are used, and these microbes can remove bad and harmful things, there are few bubbles or foam. Because no water is needed to remove foam, you can save water.

* Text by Environmental Engineering & Technology Research Institute

Discovery of Material

**Dr. for the Earth
Dr. Hirai Takashi**



Environmental Engineering & Technology Research Institute Lead Researcher

Dr. Hirai was born in Osaka in 1930. He has been one of the best environmental engineers for over 20 years. "From Nature To Natural" is an important theme in his life and work. He is studying the Earth, and its living organisms, and works to protect the natural environment. He is the author of "Dr. for the Earth", published by the Seishoku publishing company, as well as other books. * one example of his activities is maintaining a working environment in Biwa lake and Tanabe city, in Wakayama Prefecture.

We don't use sulfate system or any artificial emulsifiers and active medicines (sodium laureth sulfate or sodium lauryl sulfate) as surfactants, which most cheaper toothpastes usually use.

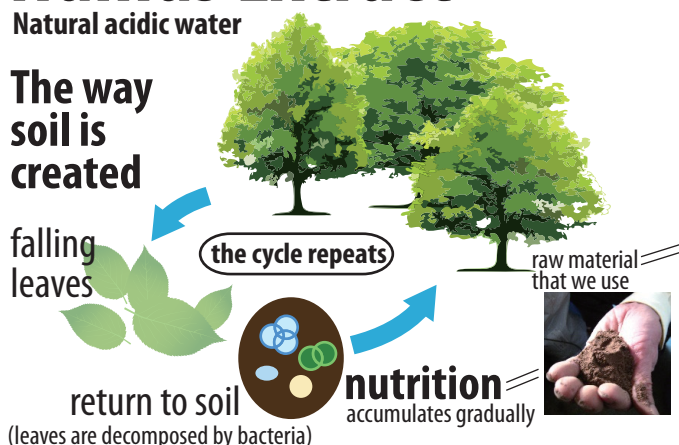
Originality of natural production (2) **Placing importance on water**

We use the **essence of soil** from the Hakua period, which was created by the cycle of the universe.

Humus Extract

Natural acidic water

The way soil is created



In the Hakua period (100 million year ago), from soil under the sea, water antioxidants were created over a long period of aging, resulting in a variety of nutrition being dissolved into it.

Amino acids

aspartic acid, threonine, serine, glutamate, proline, glycine, alanine, valine, cystine, methionine, isoleucine, leucine, phenylalanine etc.

Minerals sodium, potassium, calcium etc.

Type of vitamins VB6, VB12, folate etc.

Type of sugar galactose, arabinose, glucose etc.

extract

aging

**anti-oxidant
anti-bacteria
anti-odorant
astringency**

Humus extract shows the ability to act as an antibacterial agent.

*(our company's research) We started the experiment by taking bacteria and adding Humus Extract. Over the course of one week, the bacteria was reduced by 97%. We simultaneously tested the effect of vegetable preserve on bacteria, but it only resulted in a 72% reduction in

**LIMANATURAL is using a blend of Humus extract and revitalized natural spring water
which has done activation. (our company manages this in Chichibu, Saitama)**