



ALL ABOUT CALCIUM





WORLD BEST HIGH PURITY CALCIUM POWDER MAKER



Chapter 1: Executive Summary

1. Company Information
2. Company Milestone
3. Business Outlook
4. Core Technology
5. Patent
6. Certification
7. Organization Structure
8. Management Profile
9. Factory View

Chapter 1: Executive Summary

1_ Company Information



Company	CaltecBio Co., Ltd
CEO	Geum Hee KIM
Established	Aug 10 th , 2015
Business Category	Food additives/ Feed / Animal Medicine...etc.
Address	61, Mubong-ro, Soheul-eup, Pocheon-si, Gyeonggi-do Republic of Korea
Paid in Capital	\1billion(krw)
No. of employees	Total 6 Admin 3 R&D 2 Production 1
Contact	+82-31-541-7384 qc@caltecbio.kr



2015

- Established J & Bio Co., Ltd.

2016

- Changed company name to CaltecBio Co., Ltd. Moved HQ and factory (Soheul-eup, Pocheon) and obtained
- Certification of establishing company affiliated research center
- Patent registration of water-soluble mineral powder manufacturing system: Patent No. 10-1668424
- ISO 9001 Certified
- Developed products such as calcium powder, mineral calcium and vita calcium

2017

- Certified by the Ministry of Health and Welfare as 'New Health Technology'
- Developed Wagujabi and Farm Clean
- Patent registration for manufacturing method of water-soluble mineral powder: Patent No. 10-1711015

2018

- Patent registration for chicken mite pesticide manufacturing method: Patent No. 10-1907113
- Obtained animal drug approval
- Developed Wagujabi 2

2019

- Obtained official approval of the natural chicken mite disinfectant(Wagujabi) from the Animal and Plant Quarantine Agency
- Wagujabi was registered to the Public Procurement Service
- Attracted investment from A & F Future Growth Investment Fund

2020

- Expanded factory production line
- Developed VK product, a coral calcium disinfectant odor eliminator
- FDA registered (VK and coral calcium powder)
- Signed a 3billion(KRW) distribution contract with GDP International for VK and Coral Calcium Powder Detergent



High purity calcium powder

01

Daily Necessities

Infection prevention products for safe living in the COVID-19 era

- VK
- Coral Calcium Powder

02

Health Supplements

Health supplements for a healthy body

- Ca++
- Vita Calcium
- MCC Gold

03

Animal Medicine

Eco-friendly environmental improvement medicine for farmer and feed additives for pets

- Wagujabi
- MC Silica Powder
- Farm Clean
- Shell Calcium Powder
- Mineral 70

**Double-pusher type electric furnace,
the world's first high-purity mineral calcium powder manufacturing system.**



- Developed the double-pusher type electric furnace, the world's first high-purity mineral calcium powder manufacturing system.
- Developed the automatic temperature control device and the 6-step temperature control device to develop the optimized system for high-purity calcium calcination.
- Manufactured high content, high purity, nanoparticle calcium powder by natural powdering method through a patented technology.

Chapter 1: Executive Summary

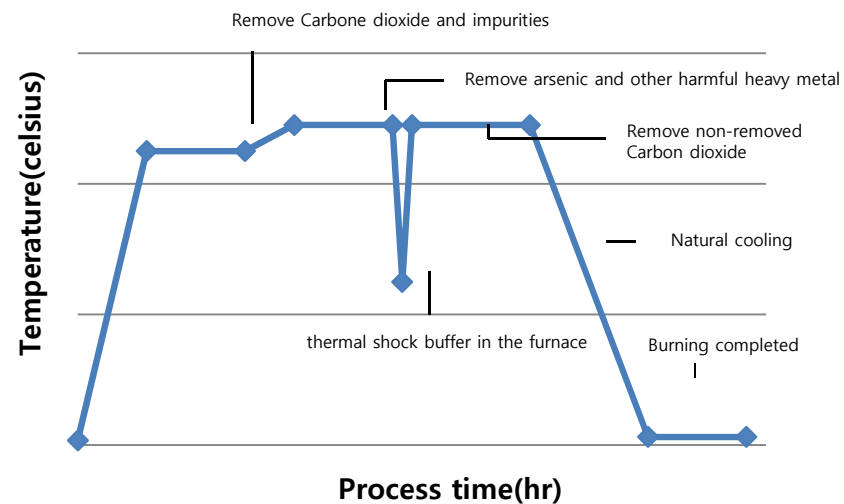
4_ Core Technology



Electric furnace

- Patent appPatent No. 10-1668424, A system producing soluble mineral powder using shell
- lication No. 10-2016-0117268, A method to produce soluble mineral powder
- Possible to use sophisticated heating that reaches 1,000 Celsius
- Automated temperature control

Phased heating



Compression Molding

- Improving production amount per hour by 40%
- Able to manage production in scientific and Quantitative manner
- Improving work efficiency
- Improving work environment

Sophisticated aging

Maturing under controlled condition

- 25 ~ 30 Celsius
- 5 ~ 9 days

Chapter 1: Executive Summary

4_ Core Technology

Production Process



Raw material screening



24 hours of Electric Furnace 6-step temperature difference calcination



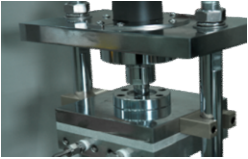




Packaging



Special condition maturation
(natural powdering)

Chapter 1: Executive Summary

4_ Core Technology

Classification	Existing Technology	Our Technology	What is improved
 Compression molding	Not existed in the existing process	Compression molding	Improving production efficiency by 40%
 Automated system	Allowing to adjust temperature manually	Automatic temperature control (program input)	Improving safety at work Improving safety of products
 Heating system	By gas or bunker C oil	Patented engineering Electric heating furnace	Blocking pollution by combustion oxide Able to control temperature in detail
 Heat treatment	Heat treatment at low temperature Heating for short period	Phased heating	Producing calcium of high concentration Removing pollutants such as heavy metal
 Powder process	Mechanical grinding	Natural aging powder	Producing fine powder of 200 mesh or higher Improving absorption rate

Chapter 1: Executive Summary

5_ Patent



Water soluble mineral powder
manufacturing system



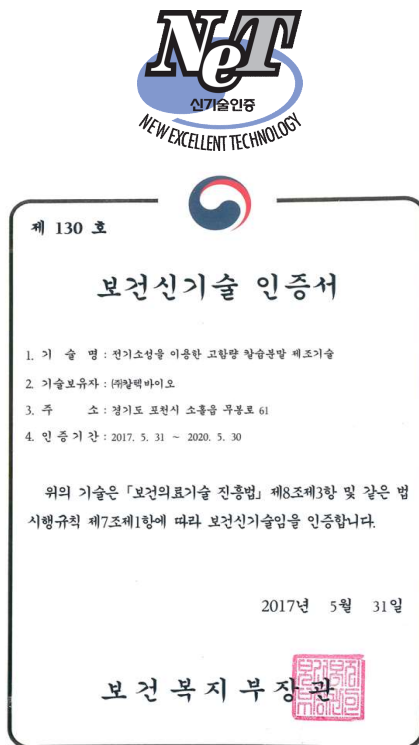
Water soluble mineral powder
manufacturing method



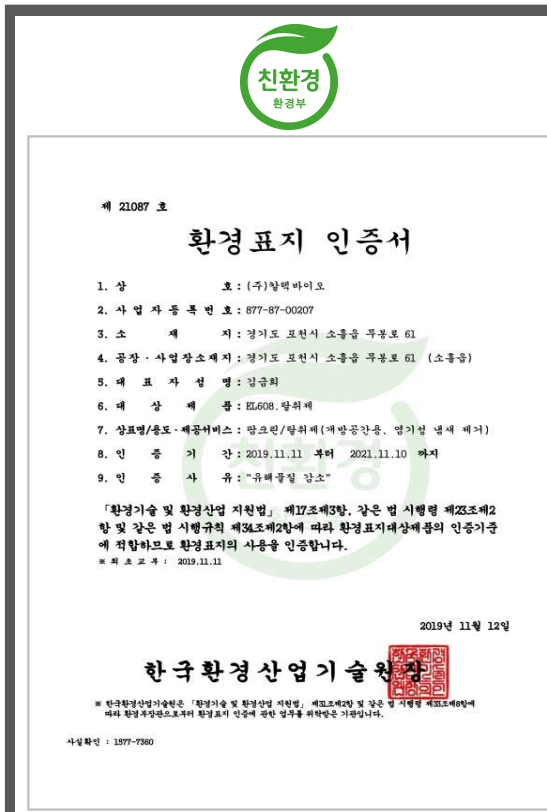
Chicken mite pesticide
manufacturing method

Chapter 1: Executive Summary

6_Certification



New health technologies
certified by Ministry of Health
and Welfare

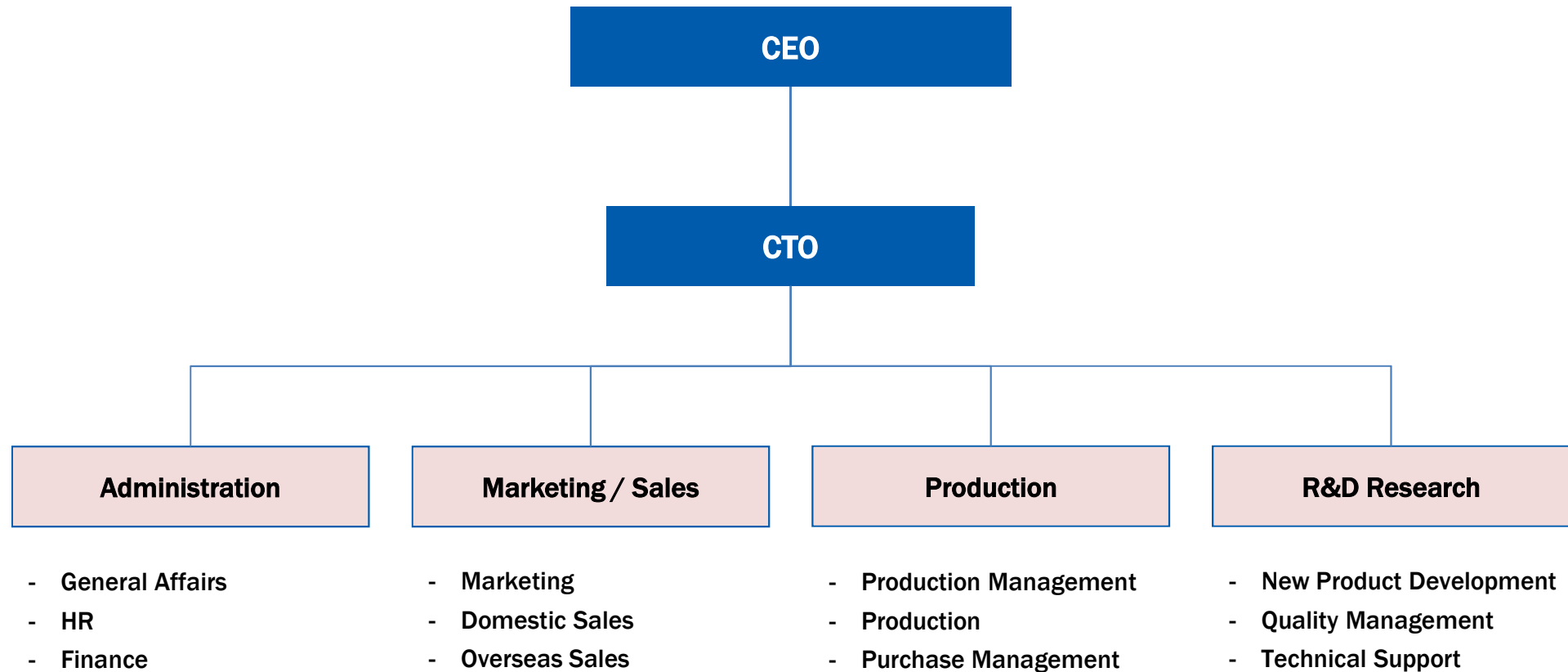


Eco-friendly certification



ISO9001 Certified

7_ Organization Structure



8_ Management Profile

CEO: Geum Hee KIM

Former,
Korea branch manager of Clencore Seoul
Chemical Bank

BA English literature at Ewha Womans Univ.

CTO: Byunghoon AHN

Former,
CEO of XRI
CCO of REDESIGN
Art Director of Oricom
PR manager of LG Electric Co., Ltd

BA Display design at Seoul Institute of Art

Director of Research: SeungKyu PARK

Former,
Technical Director of RNR China
R&D Team manager of Clicares

Doctor of Science at Wonkwang Univ.
BS Biochemistry at Hanyang Univ.

Chapter 1: Executive Summary

9_ Factory View



Chapter 1: Executive Summary

9_ Factory View



Chapter 1: Executive Summary

9_ Factory View





Chapter 2: Market Situation

1. Global Animal Feed Additives Market
2. Global Animal Medicine Market
3. SWOT Analysis



Chapter 3:

Product Introduction

Daily Necessities

1. VK Virus Sanitizer
2. Coral Calcium Powder Detergent

1_ VK Virus Sanitizer



Natural Organic Virus Sanitizer, VK

99.9% sterilizing alkaline coral calcium water solution.
100% natural ingredients made from natural coral calcium and cypress oil.

The acidity around the bacteria is weakened with a strong alkali component to lower the physiological activity, and the double helix structure of RNA is damaged to suppress the growth of bacteria.

In addition, it destabilizes the structure of the outer shell of bacteria and reduces its function to suppress and kill the bacteria.

2_ Coral Calcium Powder Detergent



Fruit & Vegetable Cleaner, Coral Calcium Powder

99.9% removal of residual pesticide.

Korea's first and fruit and vegetable cleaner made from natural coral calcium.

Complete removal of harmful substances such as fine dust and heavy metals remaining even on organic products.

99.9% sterilization of processed bacteria such as E. coli, Staphylococcus aureus and Salmonella, which cause food poisoning and infectious diseases.

Increases the freshness and preservation period of fruit and vegetable by inhibiting the growth of microorganisms



Chapter 4:

Product Introduction

Health Supplements

1. Ca^{++}
2. Vita Calcium
3. MCC Gold

1_ Vitamin Calcium Drink, Ca++



Natural Vitamin Calcium Drink, Ca++

A mineral calcium drink rich in taste and nutrition containing vitamin C and 250mg of coral calcium in a 100ml bottle.

One bottle per day is enough for insufficient vitamins and calcium.

This is the first in the world vitamin calcium drink. It is safe combination of water soluble natural coral calcium that contains about 70 minerals necessary for our body and have passed clinical experiments and scientific verifications for a long time by our professional researchers.

It also contains safely made fruit kalamansi juice through special process which has 30 times more vitamin C than lemon and called as a gift from god.

2_ Vitamin Calcium Drink, Ca++



Vita Calcium

Vita Calcium contains vitamin B2 and coral calcium to help maintain healthy body.

Vita Calcium removes free oxygen radicals, strengthens skin, muscle and bone tissue and eliminates fatigue.

Those who are prone to lack of calcium, such as smokers, pregnant women, and the elderly, need to supplement calcium and vitamin C.

3_ MCC Gold



MCC Gold

100% water soluble coral mineral calcium.

Calcium supplement with ideal combination of calcium and magnesium and health functional food to prevent osteoporosis



Chapter 5: Product Introduction Animal Medicine

1. Wagujabi
2. MC Silika Powder
3. Farm Clean
4. CT-SCP50
5. Eco Best
6. Mineral 70

1_ WAGUJABI & WAGUJABI2



Natural Chicken Mite Extirpator, WAGUJABI & WAGUJABI 2

90% reduction of chicken mite in the result of clinical test.

Wagujabi, which is made from only natural materials, safely eradicates chicken mites without a concern about remaining pesticides.

This eco-friendly chicken mite extirpator improves the environment of henhouse and contributes increase of income for farmers.

2_ MC Silica Powder + WAGUJABI2



Safe & Long Lasting Henhouse Coating Agent, MC Silica Powder + WAGUJABI 2

MC Silica is combination of 500mesh or larger fine powder oyster shell hydroxide calcium, of which surface area and porosity are increased by 24 hours calcination in 1,000-degree high temperature using the oyster shells in the clean southern coast near Tongyoung and magnesium silicate with increased safety, efficacy, durability, and usability.

99% reduction of chicken mites when mixing Wagujabi + MC Silica

99% reduction of chicken mite with only a single control with mixture of Wagujabi and MC Silica.

Lasting effect for about 6 months

3_ Farm Clean



Eco-friendly Deodorizer & Germicide, Farm Clean

100% eco-friendly deodorizer & germicide for improving the environment of livestock farms.

99% removal of ammonia, trimethylamine, hydrogen sulfide and methyl mercaptan.

Farm Clean, manufactured only with natural cypress oil and effective microorganisms, disassembles odorous substances such as ammonia and hydrogen sulfide to improve the livestock environment and prevent further contamination of pests and bacteria from outside.

4_ CT-SCP50



Feed Additives Shell Calcium Powder, CT-SCP50

Shell calcium powder for feed additives that contains more than 50% calcium content with 9 types of minerals, which is recovered through recycling discarded oyster shells in Tongyoung

- Product: CT-SCP 50 (High-purity mineral shell calcium powder)
- Product Type: Feed Additives
- Ingredient: Oyster Schell (100% Domestic, Tongyoung)
- Calcium Content: Over 50%
- Packing Unit: 10kg
- Purpose: Feed additive for promoting growth and enhancing immunity



Premium Phytoncide Spray, Eco Best

This is a natural product with the main ingredient terpene creates refreshing forest scent and demonstrates three functions at the same time: odor elimination, antibacterial and insect repellent.

Phytoncide is a compound word of 'phyton' meaning plant and 'cide' which meaning kill. It is a natural substance created by plants and trees to defend themselves from pests and bacteria that threaten survival.

6_ Mineral 70



The World's 1st Calcium Supplement for Pets Containing Coral Calcium, Mineral 70

Natural ingredient animal nutrition developed through long-term clinical trials and verification by CaltecBio, an industry leader in the eco-friendly animal medicine and feed market in Korea.

A mineral calcium supplement that is essential for healthy development and growth of pets, containing water-soluble natural coral calcium and 70 types of minerals.

THANK YOU

CaltecBio Co., Ltd.

CaltecBio

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