



DIOXSIL++

An Innovation Beyond Boundaries



DIOXSIL++



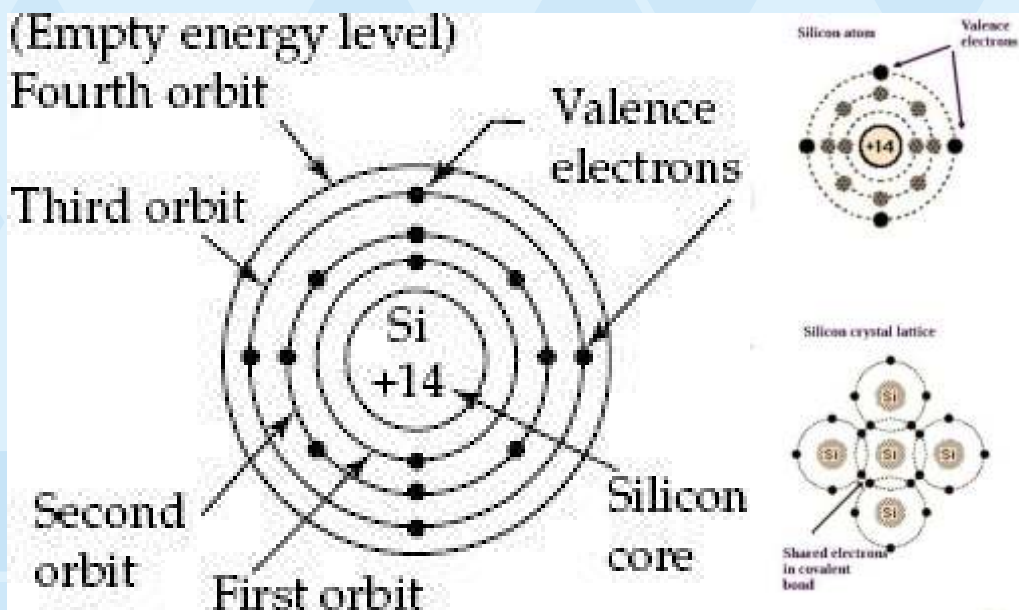
An Innovation Beyond Boundaries

Improving the feed digestibility, growth performance and global health status of the animal while reducing feed costs has always remained an interesting challenge for the industry nutritionists and have constantly offered innovative ways to respond to these demands.

Primary strategy of diversification of protein intake with food sources sometimes less digestible, compensated by the addition of enzymes or highly digestible protein concentrate amongst others in addition to certain feed additives like prebiotics, probiotics and yeasts have certainly allowed better nutrient availability.

Silicon is a well-known feed additive and its beneficial use is well recognized as an anticaking agent and mycotoxin binder, by scientists worldwide. Silicon has excellent semi conduction properties due to its crystal lattice structure & acts as an excellent energy transfer element with wide applications including computers, solar batteries and animal feed. Silicon is also a very important element in Photosynthesis in plant.

DIOXSIL++ is an active nano-silicone activated product, energized through proprietary quantum chemical process, which transfers electron from one orbit to another and increases ion exchange & electromagnetic properties of elemental silicon.



The specific signal emitted by the mineral is capable of stimulating the water molecules in the intestine and to provide free electrons necessary in enhancing the rate of all kinds of biochemical reactions. This is known as resonance effect. The digestion, absorption and assimilation of the nutrients occur in an aqueous medium hence water molecules also play a vital role in all the enzymatic reactions which take place during the digestive processes.

This enables to affect the rate of all biochemical reactions involved in the process of digestion by modifying the properties of water using different electromagnetic signals.

*Studies have shown that electromagnetic fields have an effect on water structure and influence biological function.

*Professor Luc Montagnier - a Nobel Prize recipient, recently discovered that the DNA of bacteria emitted electromagnetic signals when exposed to ambient electromagnetic backgrounds. This signal can be registered and transferred to water where in contact with nucleotides and enzymes, are able to reconstruct the same DNA.

Ref: International Poultry Production – Volume 23 Number 8

DioxSIL++ is based upon quantum mechanics of biology and is capable of enhancing the rate of various important biochemical reactions, nutrient and ionic transportation across the gut epithelial cell membrane, by stimulating the molecular water in the intestine with synchronized delivery of electromagnetic energy

How Study of Quantum Physics is Important in Biology & specifically for Biochemistry:

In biology we know things from macro perspectives like for a body, stomach and intestine act as a power generators by a process of digestion & assimilation, but at micro level or cellular level mitochondria does the same job.

Things which happen at a quantum level are replicated at macro level and if things are fine-tuned at quantum level then automatically things will be fine at Organ level.

Today we know digestion and assimilation process at macro level – the role of enzymes, gastric juices, acids, probiotics and prebiotics at macro level.

Study of Quantum Physics + Biology enable us to understand how free electrons and protons/magnetic waves of minerals & other nutrients interact mutually and also the effect of interactions at quantum level.

FEATURES

- 100% natural mineral source
- Finely micronized crystalline powder
- Enables transfer of nutrients through electromagnetic energy
- Chemical free, livestock and environment friendly
- Not absorbed from gut; no withdrawal periods

FUNCTIONS

- Restores biological homeostasis
- Promotes biochemical processes such as digestion, absorption, assimilation, metabolism
- Stimulates enzymatic reaction
- Synergizes with feed additives and supplements
- Promotes aerobic degradation of undigested proteins

BENEFITS

- Improves digestibility of protein and feed efficiency
- Increases action of antibiotics, enzymes & acidifiers
- Enhances dissolved oxygen content in water
- Increases average daily gain and final weight
- Reduces production of ammonia & other odorous gases
- Improves global health status & reduces oxidative stress

In aquaculture, the health of fish, crustaceans and shrimps is closely linked to water quality. Water is not only a source of minerals and essential micronutrients but it is also and above all a source of oxygen essential for fish survival

UNMATCHED PERFORMANCE

DIOXSIL++ naturally improves growth performance of White Shrimp by:

- Improving feed efficiency ratio (FCR) by up to 12.4%
- Increasing final weight by up to 7.4%
- Improving average daily weight gain (ADWG) by 12.5%
- Improving specific growth rate by up to 4.3%
- Increasing survival rate up to 18%



DIOXSIL++ naturally improves protein digestibility by increasing:

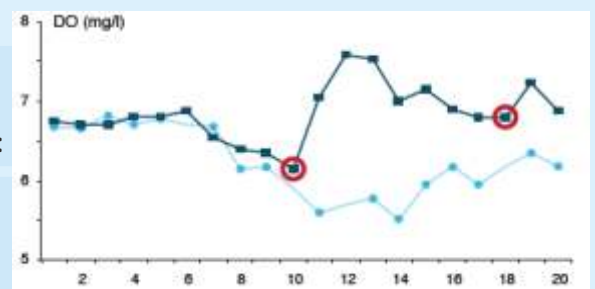
- Protease and other NSP enzyme activity
- Protein efficiency ratio
- Fish meal replacement in diet

DIOXSIL++ naturally promotes better health conditions by increasing:

- Super oxydase dismutase (SOD) activity
- Phenoloxydase (PO) activity

HEALTHIER ENVIRONMENT

- DIOXSIL++ naturally improves water quality by:
- Increasing dissolved oxygen (DO) in water
- Reducing nitrate concentration
- Limiting the proliferation of pathogen bacteria



■ Control ■ DioxSIL+

*By increasing the ionic exchange potential of water, DIOXSIL++ contributes to rapidly rebalancing the entire system
The water – The animal – The organic matter – The bacteria*

AN INNOVATIVE ECOLOGICAL SOLUTION FOR BETTER POND HEALTH

Why DioxSIL++?

Most of the silicates used in animal nutrition are amorphous materials capable of various functions such as absorbents of moisture and odor, flow agents and mycotoxin binders.

DioxSIL++ is different from the conventional silicates due to its purity of silicon dioxide with its ability to retain and transfer electromagnetic energy and potentiated and optimized with polyphenols and tanins

DIOXSIL++ should be used as a base production livestock feed since it affects not just a specific function of the animal but helps improve overall utilization of feed and potentiates the effectiveness of other additives.

FEATURED BENEFITS OF DIOXSIL++

- Improves digestion, absorption, assimilation & metabolism of proteins and other nutrients
- Improves efficiency of additives like AGPs & NAGPs
- Improves efficiency of enzymes and other nutritionals in feed
- Promotes gain in average daily weight
- Reduces ammonia emission and health condition of the animals
- Improves DO levels & pH to rebalance the entire system:
The water – The animal – The organic matter – The bacteria

Free From Hormones & Antibiotics

Feed Supplement for Aquaculture

Not For Medicinal use

Not For Human Use

RECOMMENDATIONS FOR USAGE:- (Fish & Shrimps)

- **Feed Application:**
 - Aqua Feed Mills: 300 grams to 450 grams per ton of feed, based upon the specific farm requirement
DioxSIL++ must be mixed in homogenous manner in the feed. It is recommended to mix 300 grams of DioxSIL++ to 4 to 5 kg of premix prior to mixing in the feed. The pre-mix when mixed in actual feed will ensure a proper uniform mixing.
 - Aqua Farm Feed: DioxSIL++ can also be administered @ 4 gm to 6 gm per Kg of feed
- **Pond Application:**
 - 250 gm to 450 gm per acre of pond to be repeated every week Or as guided by an aquaculture consultant.
 - For better results - Add 500 g / acre to be repeated every week, 4 weeks before harvest, is recommended

USAGE SUGGESTIONS:

- The total concentration of acidifiers mixed in the feed should be reduced by 50%
- For better results use H₂O₂ instead of chlorine in the drinking water. If chlorine is used then reduce the dosage to 50% and if neither is used, that is also good

PRECAUTIONS:

1. Do not inhale dust
2. Wear mask & glasses while using the product
3. In case of contact with eyes and skin, rinse properly with clean water and in case of inhalation, consult the doctor

PRESENTATION: 1 Kg and 5 Kg HD Aluminium Pouch & 20 Kg Paper Bag with Outer Lining

Catalyst LifeSciences Pvt. Ltd.

An ISO 9001:2015, ISO 14001:2015, HACCP Compliance Certified Company

Corporate Office: # 5, 301, 3rd Floor, Greenwood Plaza, Greenwood City, Sector 45, Gurugram - 122003, Haryana

Customer care #: +91 892 988 1235; Email: support@catalystlifesciences.in

For more information please visit: www.catalystlifesciences.in



DISPOSAL OF BAD AND OUTER PACKAGE: Do not contaminate water, food or feed by storage and disposal. Completely empty container into application equipment. Triple rinse pail and offer for recycling or reconditioning. Containers can also be disposed of in a sanitary landfill or by incineration, or in accordance with guidance from your local waste regulation authority, such as by burning (if burned, stay out of smoke). When applying this product to water bodies, avoid solid particles from falling on nearby ground where birds and feed may be present.