The best alternatives for in-feed antibiotics -- plant extract

23 experts 13 patents More than 2000 scientific experiments

Added in more than 30 million tons of feed
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Introduction of Company

Beijing Keepyoung Technology Co., Ltd, a national hi-tech enterprises, integrating research and development (R&D), manufacturing and sales, focus on providing plant extracts applied in animal feed and breeding. We utilize modern biotechnology and fine chemical technology, combined with animal nutrition and modern Chinese medicine theory. The company has been honored as one of the top ten high-tech enterprises of Zhongguancun in Beijing (similar to Silicon Valley) and is also the first domestic member unit in China of Green Industry Experts Committee of China Investment and Technology Promotion Office which belongs to UNIDO.

The company has an innovative R&D team, including many professionals with post-doctoral, doctor and postgraduate degree. Through more than ten years research and 2000 trails, the team has successfully developed a considerable number of environmentally-friendly plant extract additives, including 220 active ingredients from 58 plant species, such as Imuty, Impim, Phyospon, Safish, and so on. The products have been widely used in livestock and aquatic areas to replace antibiotics and this improve animal immunity, reduce morbidity and increase production performance. The company has been approved for 13 patents, one certificate for Beijing independent innovation products, and two certificates for new technology and new products of Zhongguancun national innovation demonstration zone. With strict production management, the products have passed the ISO9001 international quality management system, HACCP food safety control system and FAMI-QS safety control system. In addition, all the products follow strict corporate standards and the corresponding qualitative and quantitative detection method. Keepyoung has taken the lead in obtaining the export qualification and all products satisfy the latest international export standard.

During the last ten years, guided by technology and under the precondition of keeping good quality, we have improved service quality constantly. We have provided more than 30 million tons of safe, green and non-antibiotic feed since 2001 to realize the purpose of resolve drug residue problems and health cultivation. The company has established the industrialization demonstration base for non-antibiotics feed additives and animal health products in Miyun District, Beijing, which is the China model enterprise.

The company is growing into the most powerful enterprise for research and manufacture of plant extracts feed additives. We sincerely hope to cooperate with more fodder, breeding, food and plant extracts enterprises, and contributes to the "Safety project" of fodder, feeding and food industry together.
Company Certificates

FAMI-QS Certificate  Food Safety Management System Certificate

Quality Management System Certificate

Exported Feed Production Enterprises Registration Certificate  Exported Edible Animals Feed Production Enterprise Registration Certificate  The Top Ten High-tech Enterprises of Zhongguancun

National High-tech Enterprise Certificate  National Sparking Plan Project Certificate
Company’s solemn commitment

To protect the feed safety and healthy breeding, advocate food safety, safeguard the legitimate interests of consumers and operators, the company solemnly promise:

1. All products are the pure plant extracts feed additives, without any antibiotics or chemicals.
2. All products do not contain melamine, clenbuterol, Sudan red and other illegal drugs or harmful substances prohibited by the state.
3. Health indicators of the product meet national similar product requirements and corporate standards.
4. Product composition exactly matches the corporate standards.

If there is not consistent with these commitments, we will take responsibility for it and compensate all the losses.
Production license, product approval number and label

We are authorized with the feed additives production license and the feed approval documents by the Chinese Ministry of Agriculture. We are also the only company to get the approval in field of plant extracts feed additives. The product label indicating the component content is a powerful guarantee for the product quality.

The source of raw material

We adopt the method of independent owning or holdings cooperation to establish 100,000 acres of planting base for traditional Chinese herbal in Gansu, Shanxi, Inner Mongolia and so on. In order to ensure the quality and supply stability of raw materials, all the operations are performed according to the GAP planting management standard.
Quality control

The quality stability of different batch products are evaluated by HPLC fingerprint and the results demonstrate the fingerprint has high similarity, indicates the product stability in different periods.

The HPLC fingerprint of 10 batchs of Inutry

Inspection reports

All the products satisfy strict factory and third party inspection (China Entry-Exit inspection And Quarantine Bureau, Beijing Feed Supervision Bureau) to ensure the quality of each batch products.
Introduction of Products

Brief introduction of main products

<table>
<thead>
<tr>
<th>Name</th>
<th>NO</th>
<th>Dosage (g/t)</th>
<th>Applicable animals</th>
<th>Efficacy</th>
</tr>
</thead>
<tbody>
<tr>
<td>Impim</td>
<td>KH-88</td>
<td>50-500</td>
<td>Meat poultry, egg-laying poultry, pigs, ruminant</td>
<td>Improve immunity, reduce the morbidity; anti-stress and be hepatoprotive and cholagogic; improve intestinal health and the productive performance</td>
</tr>
<tr>
<td>Imuty</td>
<td>ML</td>
<td>100-500</td>
<td>Pigs</td>
<td>Relive diarrhea, improve immunity, hepatoprotive, improve intestinal health and promote growth.</td>
</tr>
<tr>
<td>Phyopson</td>
<td>KH-98</td>
<td>100-500</td>
<td>Egg-laying poultry, breeding poultry, sows, cows, etc.</td>
<td>Poultry: Regulate endocrine, improve laying rate and prolong egg laying peak, improve the quality of eggs, enhance immunity, reduce the morbidity. Breeding stock: Regulate endocrine, increase milk yield, increase the birth weight and weaning weight of new born animals; promote reproductive health, accelerate postpartum recovery, reduce the incidence of mastitis.</td>
</tr>
<tr>
<td>Safish</td>
<td>FV-88</td>
<td>100-500</td>
<td>Fishes, shrimps and other aquatic animals.</td>
<td>Improve immunity, reduce the bacteria, fungi, viruses and parasites morbidity; anti-stress, protect the liver and gallbladder, improve growth performance.</td>
</tr>
<tr>
<td>Culax</td>
<td>ZL</td>
<td>50-500</td>
<td>Pigs</td>
<td>Fortify the spleen and stomach, enhances feed intake and promote growth; maintain balance of intestinal flora, relieve diarrhea; improve immunity.</td>
</tr>
</tbody>
</table>

Main characters of product

Our natural plant extracts feed additives have the following similarities:

1. No antibiotics and chemicals and can replace antibiotics fully or partially.
2. Improve animal immunity and increase performance.
3. No antagonistic effect with antibiotics and have synergy with some antibiotics.
4. High temperature and pressure tolerance in production process.
5. No drug residues and no resistance over long-term use.
6. The latest composite formula of plant extracts in the past 10 years.

Packing: 20 kg/bag.

Storage: Store under airiness, cool, shade and dry environment without direct sunlight.

Guarantee period: 18 months with the temperature below 25 ℃, please use as quickly as possible after opening.

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“Identification Card” of the Products

Impim

HPLC

Imuty

HPLC
**Phyopson**

**Safish**

**Culax**

**HPLC**
Applications of Plant Extracts in Laying hens

The third generation of healthy eggs — Eggfirst

Contrast Eggfirst with other Eggs

<table>
<thead>
<tr>
<th>Raw eggs</th>
<th>Boiled eggs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eggshell</td>
<td>Eggshell</td>
</tr>
<tr>
<td>dark brown</td>
<td>White naturally</td>
</tr>
<tr>
<td>brown</td>
<td>sallow</td>
</tr>
<tr>
<td>light brown or white</td>
<td>A little sallow</td>
</tr>
<tr>
<td>Albumen</td>
<td>Albumen</td>
</tr>
<tr>
<td>viscous</td>
<td>Light grey or yellow naturally</td>
</tr>
<tr>
<td>wishy-washy</td>
<td>Light grey or black</td>
</tr>
<tr>
<td>Less wishy-washy</td>
<td>Light grey or yellow naturally</td>
</tr>
<tr>
<td>Yolk</td>
<td>Yolk</td>
</tr>
<tr>
<td>Yellow with little red</td>
<td>Deep yellow with red</td>
</tr>
<tr>
<td>Light yellow</td>
<td>Light yellow</td>
</tr>
<tr>
<td>Dark yellow</td>
<td>Deep yellow</td>
</tr>
<tr>
<td>Odor</td>
<td>Odor</td>
</tr>
<tr>
<td>No odor</td>
<td>No odor</td>
</tr>
<tr>
<td>Strong odor</td>
<td>Strong odor</td>
</tr>
<tr>
<td>Partial odor</td>
<td>Partial odor</td>
</tr>
<tr>
<td>Taste</td>
<td>Taste</td>
</tr>
<tr>
<td>Delicate taste</td>
<td>Light fragrance</td>
</tr>
<tr>
<td>Rough taste and salty</td>
<td>Fishy smell</td>
</tr>
<tr>
<td>Partly taste and salty</td>
<td>Concentrated fragrance</td>
</tr>
</tbody>
</table>
Landscape of R&D

Experiment of Product Research and Development

Plant Extraction Experiment in Lab

Product Test
Product Efficacy Experiment
The Core Technology Industry Demonstration Base of Security Feed Additives and Animal Health Products in Beijing
Keep Healthier with Nature