



Five Sugar Acid User Manual

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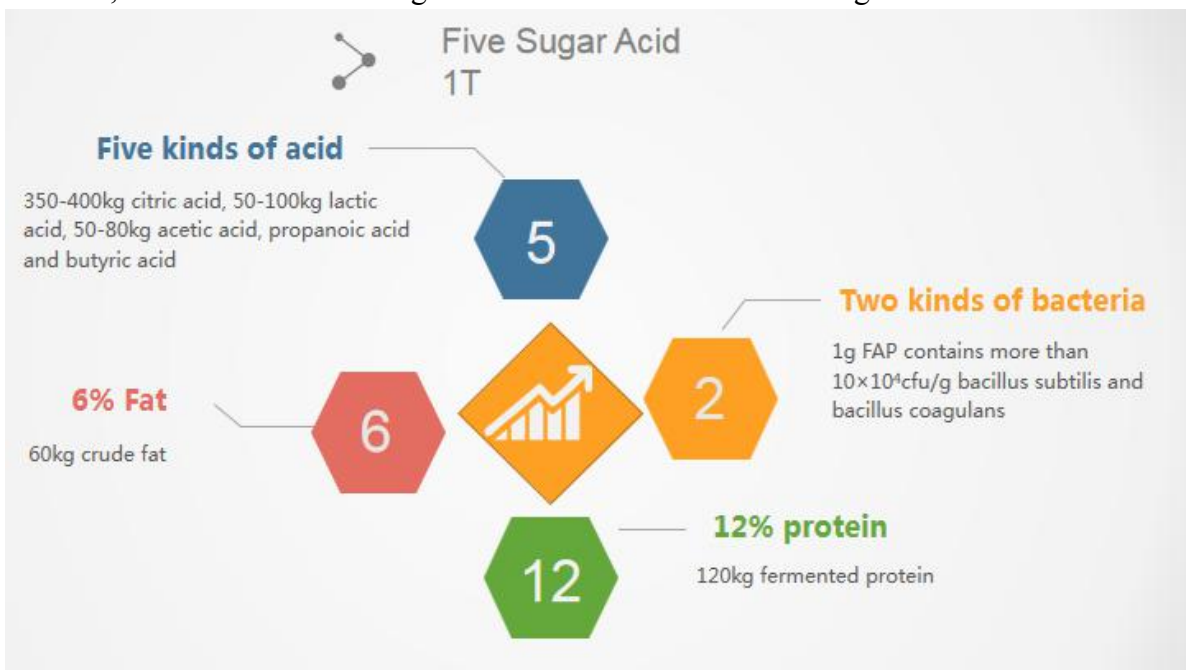
Feed Acidifier based on five fermented feedstuffs and emulsified fat —Five Sugar Acid

Feed Acidifier must be “Tastable Acid, Effective Acid”, should be small proportion feed ingredients. FSA (short for Five Sugar Acid) is an organic acid acidifier using corn, broken rice, soybean meal, grease, fish meal / corn protein powder, utilizing self-breeding ultra-high sugar-resistant, acid-resistant, permeation-resistant, acid-producing strains, adopting national invention patent advanced technology.

- ✓ Rich in Citric Acid, Lactic Acid, Acetic Acid, Propanoic Acid, Butyric Acid, Emulsified Fat, active small peptide (including antibacterial peptide), high sweet Oligose, Yeast Protein, Probiotics, Biological Enzyme, Vitamin, Organic Acid Calcium and the unnamed growth factor.
- ✓ A kind of etching-coated type compound organic acid acidifier combined acidifier with enzymatic hydrolysis fermentation feed and emulsified fat, the later two of which are as carrier, perfectly realize the mutual improvement among them. Different from the mixed feed acidifier in effective component, cost-performance and actual feeding effect.



- ✓ Eight functions: liking drinking, anti-diarrhea, heavy-milking, growing fast, treating enterovirus syndrome, producing more eggs, resisting stress and purify intestines and water.
- ✓ In short, the main nutritional ingredients of "FSA" are as following:



Characteristic Effect

Functional Compound, mutual effect, production performance improving

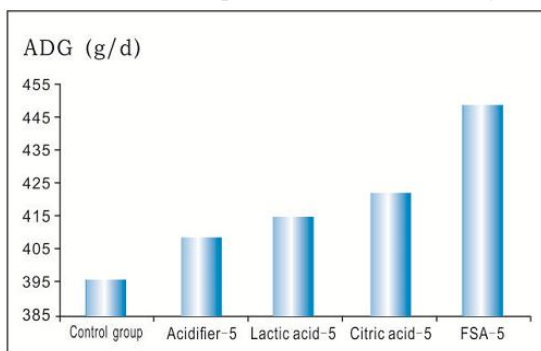
Organic acids on the functional compound of active small peptides, probiotics, high sweet oligose, mutual improvement, acidification of animals' gastrointestinal tract, restraining harmful bacteria, good effect of antibacteria and prevention and treatment of diarrhea, can replace antibiotics, ADG of livestock, poultry, fish and shrimp increased by more than 7.0%, meat ratio and bait coefficient reduced by more than 5%, egg-laying rate increased by more than 6%, piglets diarrhea rate decreasing above 80%, poultry enterovirus syndrome cure rate up to 90% or more, fish and shrimp cure rate of a serious illness of "belly" up to 85% or more.

Acid smells delicious, feed intake increasing

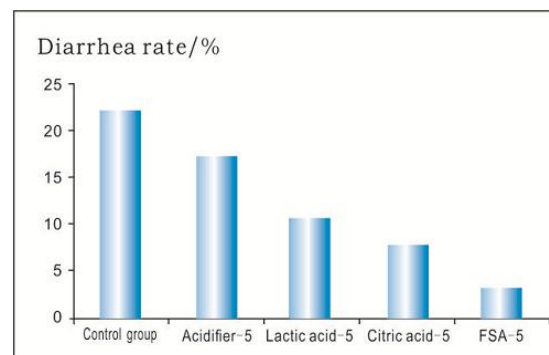
Five feedstuffs rich in active small peptide, high sweet obligose, abundant organic acid and emulsified fat, acid smells delicious, aromatic character and agreeable taste, good feeding attraction, feed intake increased up to 8%.

Etching coated, most enter the intestine, good effect of curing intestinal and purifying water

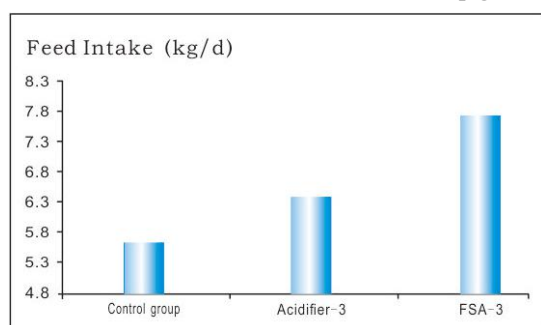
Organic acid etching and infiltrating during the process of enzymolysis and fermentation, natural coated, no stimulation and damage to the oral cavity, esophagus and gastrointestinal mucosa, sustained equilibrium releasing, most can enter the back of the intestine, care intestinal tract of livestock, poultry, fish and shrimp, purify water quality, degradation of ammonia and nitrogen and toxins of heavy metal, degradation of poison from excess residual bait and feces, protect the beneficial algae and bacteria.



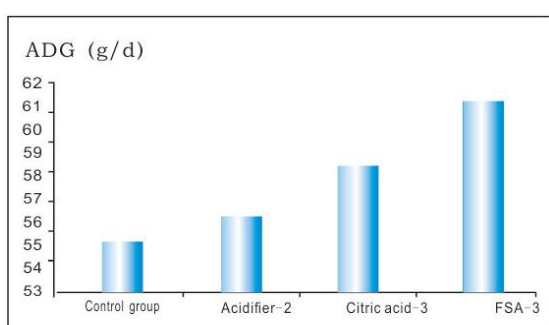
Form 1 The effects of FSA on ADG of piglet



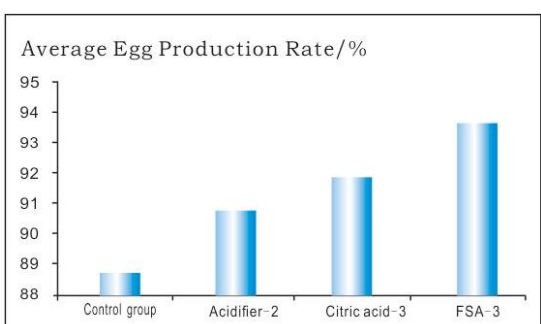
Form 2 The effects of FSA on Diarrhea rate of piglet



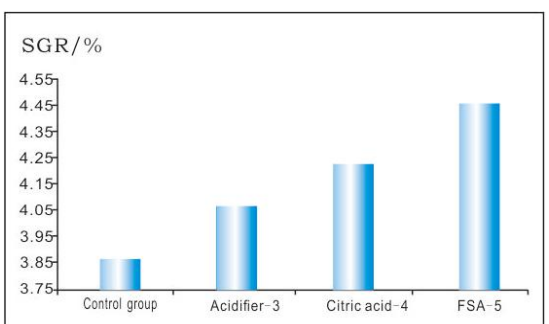
Form 3 The effects of FSA on ADFI of milking sow



Form 4 The effects of FSA on ADG of broilers



Form 5 The effects of FSA on 37th week AEPR of laying hen



Form 6 The effects of FSA on SGR of Tilapia

Nutritional ingredients

Form 7 Main nutritional ingredients of FSA

Item	Index	Item	Index	Item	Index
Moisture/%	≤10.0	Crude protein/%	≥10.0	Soluble carbohydrate/%	≥0.50
Total acid (in the case of lactic acid)/%	≥60.0	Small peptides and dissociated Amino acids/%	≥0.25	Lysine/%	≥0.21
Citric acid/%	≥35.0	Crude fat/%	≥3.0	Methionine/%	≥0.15
Lactic acid/%	≥5.0	Crude fiber/%	≤8.0	Threonine/%	≥0.19
Acetic acid/%	≥2.0	Crude ash/%	≤12.0	Tryptophan/%	≥0.06
Propanoic acid/%	≥1.0	Calcium/%	≤3.0	Total probiotics cfu/g	≥0.1×10 ⁴
Butyric acid/%	≥1.0	Total phosphorus/%	≤3.0	Small molecular nutrition content/%	≥40.0

Physicochemical property

- ✓ Smell and taste test: smells good, taste sweet, most of the nutrients are melt in your mouth, sweet and sour, it has the taste of sweet potato and fermentation.
- ✓ Solubility test: More than 50% of the nutrients can be dissolved into water, nutritious are soluble organic acid, rich in active small peptide, high sweet oligose and probiotics.

Usage

Use for the preparation of feed for anthony pig, coservation piglet, milking sow, calf & lamb, meat & egg-laying poultry and aquatic animals.

Recommended Dosage:

- ✓ Anthony pig creep feed: 5-8 kg/ton;
- ✓ Piglet conservation feed: 4-6 kg/ton;
- ✓ Calf & lamb feed: 3-5 kg/ton;
- ✓ Meat & egg-laying poultry feed: 3-5 kg/ton;
- ✓ Milking sow feed: 3-5 kg/ton;
- ✓ Aquatic animal feed: 4-6 kg/ton

Product Storage:

Keep away from light in a cool, dry place

Do not pile up over three layers to prevent caking after squeezing

Packing Specifications:

25kg or 40 kg/bag

Product Shelf life:

12-18 months



<http://en.fisugarspeptide.com>



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