



TECHNICAL SHEET

Sodium Humate

SPECIFICATION

Model	GTPSHA-0923	GTPSHA-0924
Appearance	Powder	Powder&Flake&Granule
Size	80mesh	80mesh & 1-3mm & 2-5mm
Humic Acid	50%	60%-70%
Water Solubility	> 75%	> 98%
Moisture	< 15%	< 15%
PH Value	9.0-11.0	9.0-11.0

Sodium Humate is extracted from leonardite, which is a versatile polymer containing hydroxyl groups, quinone groups, carboxyl groups and other reactive groups. With its large internal surface area, it has strong adsorption, exchange, complexation, and chelating ability.

BENEFITS

For Animal Feed

Make a variety of feed nutrients to fully break down complex molecules and good organic combination to increase gastrointestinal function, protein assimilation

Improve the permeability of animal cell membrane and protoplasm, increase muscle cell clearance of water and water content, pig hair light and skin tender phenomenon that caused

The adsorption of humic acid makes the feed nutrient through the intestinal tract more slowly, enhance the absorption of digestion time, improve the absorption of nutrients. Sodium humate makes the non-protein amide of feed reach full advantage, feed protein translate in muscle protein high limited. Teach muscle growth potential, increase the proportion of lean meat, while the humic acid molecules residues in the intestinal tract that also can absorb the ammonia in waste, both reduce the odor of feces, and increase the fertilizer by absorption of ammonia.

Sodium humate containing quinone based involved in the redox processes of the body. Make metabolism, promote cell proliferation, accelerating growth



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GANZHOU GREEN TOP BIOLOGICAL TECHNOLOGY CO.,LTD

Sodium humate improves gastrointestinal function, promote the secretion of gastric juice, increase appetite, promoting the nutrients into the body in a faster, stimulate the growth of beneficial bacteria in the gastrointestinal and curb corruption breeding

Anti-bacterial anti-inflammatory effect

Humic acid can be activated by the pituitary-adrenal system, promote the release of corticosteroids and ACTH, and inhibition the synthesis of prostaglandin E and antagonize the lymphatic amine capillary permeability increase caused

Sodium humate is a polymer complexes and contain alkaloids. So for inflammatory bowel matter and toxic substances have strong adsorption capacity at the same time have convergent effect to the intestinal mucosa. In addition, due to the structure of sodium humate containing various active groups, which can constrict blood vessels, reducing capillary permeability, play anti-inflammatory hemostasis

Under the action of enzymes, sodium humate molecules decompose more active groups of nascent oxygen, showing a bactericidal effect.

Anti-virus effect

Sodium humate can make DNA virus cannot connect to the cell, unable to reproduce, in addition, it can also inhibit reverse transcriptase activity, suppress the virus

Effect on immune function

Sodium humate can make animals increase spleen weight, white pulp are bigger, red pulp cells increased obviously, appeared a lot of macrophages, to enhance the function of immune organs

Sodium humate can turn rate increases, drench with similar plant haemagglutinin, involved in cellular immunity

Sodium humate has a role to strengthen the humoral immune function

Application of sodium humate in ceramic industry

Enhancement effect improves the strength of ceramic mud billet by about 80%, reduce the semi-finished products damaged, finishing in favour of semi-finished products

Plasticizing effect, improve the plasticity index more than 40%, makes the mud to shape easily, reduces the intermediate crack, it is advantageous for the mechanized production
Dilution effect can increase the mud, the fluidity of the glaze slurry 50% is a good solution
glue

Adsorption, improve the body of blue and white glaze of other adsorption capacity, reduce spalling, pinhole, disconnection, owe glaze, semi-finished product defects such as shrinkage
glaze

PRESENTATION:

25kg/bag or super ton bags



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