

APPCHEM/BON

APPCHEM/BON

Efficient Prebiotics For Gut Health

App Stachyose MBON

APPCHEM/BON

BIO(TECH) CO., LTD.

APPCHEM® is the Drafting Unit of China Extracting Business Standard of Stachyose

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BASIC INFORMATION

APPCHENA/BON CORPORATE NAME: XI'AN APP-CHEM BIO(TECH)CO.,LTD

ESTABLISHED TIME: APRIL 23RD,2006

LISTING LOCATION: NATIONAL EQUITIES EXCHANGE AND QUOTATIONS APPCHEM/BON

LISTING DATE: JUNE 8TH, 2016

NEEO: 837285

TOTAL SHARE CAPITAL: 28 MILLION SHARES

THE HOST BROKERAGE: INDUSTRIAL SECURITIES ARON

BUSINESS SCOPE: R&D, production and sales of all natural functional active

ingredients for nutraceuticals, pharmacy and personal care.

APPCHEM/BON APPCHEM/BON **QUALIFICATION**















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APPCHE CORE COMPETENCE









MANUFACTURING PROCESS

In comparison with other brand stachyose, APPCHEM adopts more advanced technology to significantly enhance its production efficiency and scale and further ensure its advantage in cost over others.

PRODUCT QUALITY

Owing to the distinctive technology, APPCHEM provides a kind of stachyose with purity up to HPLC90% and highly approved in appearance, taste and efficiency.

DOUBLE PATENTS

While holding the manufacturing patent, APPCHEM also carried out boost product competitiveness, MRON "product purchasing for patent authorization" mode is workable for key end-product customers.

About Stachyose

Stachyose is a naturally occurring tetrasaccharide in vegetables, which is expressed as fructose-glucose-galactose-galactose.

Its solubility in water is 130 g (at 20℃), melting at 101 ℃, dehydrated at 115℃ in vacuum and anhydrous material melting at 167 °C to 170 °C

APPCHEMIB The Properties of Stachyose

- 01 100% naturally extracted, no other chemical ingredients used during production.
- 02 Refreshing taste and 22% sweetness of sucrose.
- 04 Easy to use, pure white appearance, excellent solubility. 03 Excellent stability in heat and acid environment, and compatible well with other food ingredients.

Application of Stachyose

Adding into cake, biscuits, moon cakes, rice and other food, can maintain motor change the rheological

Working as active factor to absorb gastrointestinal toxic substances and disease, enhance immunity system, widely used in medicine

Baked Food

Pharmac₁

Foxee

_iquid Food

Develop new functional foods by adding into lactic acid beverages, beer and other beverages,
less dose with significant effect and
no damage to its appeara APPCHEM/BON

APPCHEM/BON Stachyose can neither be hydrolyzed by digestive enzymes nor depend on insulin for metabolism, therefore, it's suitable for people with APPCHEM/BON special needs

APPCHEM/B Target Users



Young people

prevent the occurrence of intestinal diseases due to stress and other factors Get rid of toxin and beautify skin,



Promote mineral absorption, improve and regulate blood sugar, blood pressure and blood lipids



Prevent and alleviate Infants' constipation and diarrhea condition, enhance immunity system



Regulate intestinal micro-ecology, promote the absorption of calcium and other minerals, and prevent osteoporosis as well



eople with antibiotic tre

APPCHEM/BON Recover from intestinal flora disorders caused by antibiotic treatment

With a long-term research and practice collected, we found that stachyose is particularly suitable for infants and elder people

APPCH! THE BENEFITS OF STACHYOSE

The Benefits for Stachyose on infants and children

Improve the constipation and diarrhea; promote calcium, iron, zinc and other minerals and vitamin absorption; enhance immunity; prevent eczema; prevention of small bowel colitis (NEC).

Smectite and Medilac-Vita. However, "Every medicament has side-effect" and for infants themselves, intestinal micro-ecological development is not mature enough and differs from each other. micro-ecological development is not mature enough and differs from each other, so these conventional medicines will a casily cause constination, diarrhea and even worsen the conditions with a conditional medicines will be conditional medicines. easily cause constipation, diarrhea and even worsen the conditions when being taken improperly.

Fortunately, Stachyose is already approved as the "ordinary food" and works well for dual-directional regulation on infantile constipation and diarrhea.

APPCHEM/BON

STURYOR

Promote intestinal peristalsis, improve the constipation condition

Inhibit the formation of pathogens and APPCHEMIBON toxins treat diarrhea

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The Benefits of Stachyose on elder people

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Stachyose could better reduce cholesterol, triglyceride and low-density lipoprotein cholesterol levels while raising high-density lipoprotein cholesterol level, so it performs well on onlipid-lowering.

Stachyose could prevent blood sugar going up and control the fluctuation within a small range effectively.

In addition, studies shows that stachyose can also reduce the diastolic blood pressure (mechanism stays unclear but APPCHEM/BON APPCHEN Promote the absorption of calcium, Magnesium and other minerals and vitamins. may be related to the proliferation of Bifidobacterium).

APPCHEMIBON

APPCHEMIS Promote calcium, Magnesium and other minerals and vitamination other minerals and vitamins absorption

> Lowering blood pressure, Lowering cholesterol, Lowering blood sugar

APPCHEMBON Promote the row of lead; Improve constipation APPCHEM



STACHYOSE POSITIONING

Dairy Products - The Best Carrier for Stachyose

The use of prebiotics or probiotics in products is family within the industry is a routine, and the relevant manufacturers have a higher awareness and acceptance of such substances.

galactooligosaccharides, etc.) or probiotics (Bifidobacterium lactis, Lactobacillus paracasei, Lactobacillus acidophilus, etc.) Product will not bring cognitive technical barriers to manufacture APPCHEM/BON APPCHEMIB

APPCHEM/BON Stachyose has a unique advantage over conventional prebiotics PPCHEMIBO

Pure nature extraction separation

Decomposition to perform the immune effect PCHEW BON

PPCHEM/BON

No use for infants and

New resources food

Enzymatic conversion

Through regulating microecology to perform the immunity effect

More gas generated

voung children are forbidden

New resources food

Applicable for all people

Less gas generated

Ordinary food MBON

Fructooligo APPCHEM

Inulin

Oligo

APPCHEM/BON

APPCHEM/BON

8 days to take effect NBON

More gas generated

Nutrient supplements

5 days to take effect

Less gas generated

Ordinary food

APPCHE XYOSO

No use for infants and voung children are forbidden

Through micro-ecological regulation, and immune factors generated from decomposition to perform

New resources food MBON

Applicable for all people

Through micro-ecological regulation, and immune factors generated from decomposition to perform

Ordinary food APPCHEM/BON

APPCHEMIBON Stachyose is more natural, safer, more widely available, and less uncomfortable with the production of gas

APPCHEMIBON

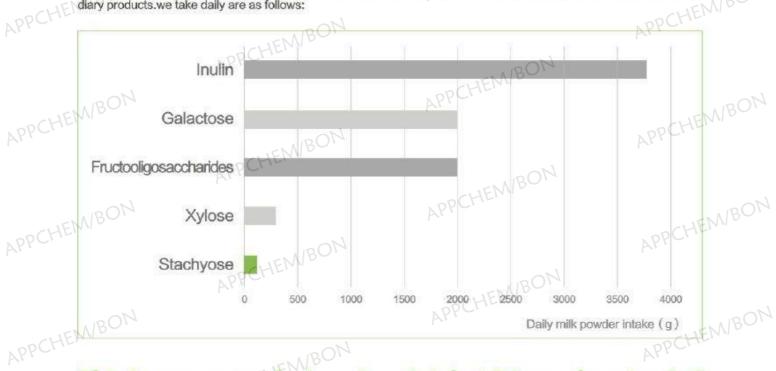
EM/BON

STACHYOSE

THE ADVANTAGE OF STACHYOSE Significant advantage in faction and usage Heat may PRCHEM/BON emperature Long stock will lower Long shelf time APPCHEN/BON Not 100% ingle ingredia reproductio APPCHEM HEM/BON PROBLOTICS STACHYOSE APPCHEM/BON APPCHEM/BO APPCHEM/BON Multiple one single way to take effect APPCHEMIS APPCHEM/BON THE ADVANTAGE OF APPCHEM STACHYOSE

The diary products we take daily, only those contain stachyose,

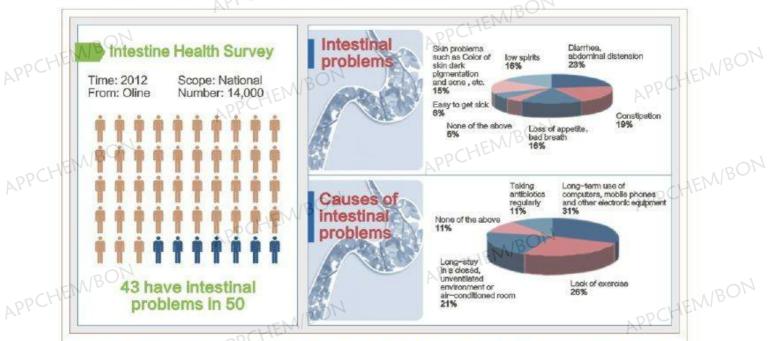
APPCHEM/BON usually takes 0.1–0.4% proportion and takes of the proportion of t Prebiotics usually takes 0.1-0.4% proportion in the diary products as per the content of 0.4%, the effective amounts of



This is someone else's pain point, but it is our burst point!

ABOUT INTESTINAL HEALTH

INTESTINAL HEALTH IS A BIG PROBLEM



High-intensity work pressure, irregular diet and rest habits, smoking, abuse of antibiotics, environmental pollution and other issues become the culprit to damage the health of the APPCHEMIBON intestinal tract and is eroding people's health.

PRCHEM/BON APPCHEM/BON INTESTINAL HEALTH GLOBAL ACTION



JAPAN

JMHW approved OLIGO for specific functional health food, which is legal to serve the meals for primary and secondary school students



UNITED STATES

Food and Drug Administration (FDA) approved OLIGO as a recognized safety (GRAS) food ingredient, and NASA designated it as an astronaut essential food



GERMANY CHEM/BON

"National Health Handbook" pushing the effectiveness of OLIGO health care. advocate people for life APPCHEM/BON



EU

EU approved it as a mediator APPCHEM/BON to control the overall level of cholesterol

INTESTINAL HEALTH, HOW CAN WE DO? CHEMBON

PRCHEM/BON Taking prebiotics is a well-established method of solving intestinal problems. There are many types of conventional prebiotics, such as stachyose, oligofructose, inulin and galactooligosaccharides. However, there are significant differences in their effectiveness.

The study and our long experience found that taking "stachyose" is the most effective and fastest solution!

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