

NSK-SD[®] Nattokinase



*JBSL – The
Pioneer of
NSK-SD[®]
Nattokinase*



JAPAN BIO SCIENCE LABORATORY

CORPORATE OFFICE

1-4-40 Fukushima, Fukushima-ku,
Osaka-city, Osaka 553-0003 Japan
Tel: 81-72-631-1203
Fax: 81-72-631-1203
kaihatu@jbsl-net.com

JBSL-USA

1547 Palos Verdes Mall, #131
Walnut Creek, CA 94597
Tel: (925) 938-2732
Fax: (925) 407-2994
sales@jbsl-net.com



Japan Bio Science Laboratory

- In 1998, JBSL was the first company in the world to isolate and market Nattokinase, a unique enzyme
- Nattokinase is extracted and purified from a Japanese food called Natto (fermented soybeans)
- Nattokinase is produced by the Natto bacteria and is a serine protease enzyme consisting of 275 amino acid residues with a molecular weight of 27,724
- NSK-SD is JBSL's brand that includes the high amount of Nattokinase
- NSK-SD is fermented using JBSL's patented strain of *Bacillus subtilis natto*
- JBSL has patented the removal of Vitamin K2 from Nattokinase powder and is the only company that can manufacture Vitamin K2 free Nattokinase in Japan

Superiority

Other products claim to be Nattokinase, but only NSK-SD:

- Has the highest potency available > 20,000 F.U./gram
- Contains less than 1 ppm Vitamin K2
- Is the most clean, white, uniform and deodorized powder available
- Is non-GMO, vegetarian and non-irradiated
- Has the highest proven potency of any Vitamin K2 free Nattokinase on the market
- Is recognized by the JHFA (Japan Health and Nutrition Food Authorization) and the JNKA (Japan Nattokinase Association) as authentic Nattokinase

About JBSL

Since its foundation in 1974, JBSL has been developing and manufacturing functional health food products under the corporate belief of the harmony of human beings and Mother Nature. Today, the safety and quality of food products are of higher concern than ever before. That is why our quality policy is the pursuit of safety from the viewpoint of the consumer.

OUR CURRENT PRODUCTS INCLUDE:

Ashitaba Chalcone Powder

Ashitaba Leaf Powder

Bacillus Subtilis Natto

Biozyme

NSK-SD®

Pro-K-Natto

Sesame Minerals

Vitamin K2

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Research

The potential health benefits of NSK-SD are numerous. More than 25 years of research and scientific testing suggest the following benefits:

- Strong thrombolytic activity – promotes arterial health
- May promote normal blood pressure
- Promotes proper whole blood viscosity
- Increase in blood circulation
- Promotes normal platelet aggregation
- Enhances the production of Tissue Plasminogen Activator (t-PA)
- Reduction of Plasminogen Activator Inhibitor Type 1 (PAI-1)
- Activates Pro-Urokinase
- Promotes normal clotting (degrades Fibrin directly)
- Promotes overall cardiovascular health

Safety

Our NSK-SD has been the subject of the following comprehensive safety studies and in vivo and in vitro clinical studies:

- Oral 28-day repeated dose toxicity study in rats
- Oral 90-day repeated dose toxicity study in rats
- Reverse-mutation assay in bacteria
- Chromosome aberration test in cultured mammalian cells
- Pathogenicity test
- Oral 28-day human safety
- Oral single dose toxicity in rats
 - LD50 rat study > 1000mg/kg no adverse effects

JBSL Product Line

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Product Name	Form	Ingredients and Nutrients	Benefits *	Superiority	Applications	Vegan
Ashitaba Chalcone Sap Powder	Powder	Chalcone Flavonoids: 4-Hydroxyderricin, Xanthoangelol	May Reduce Visceral Fat, Promotes Metabolic Health *	Vertically Integrated Powder Production, Plant Cultivation Uses Organic Farming Techniques	Foods, Beverages	Yes
Ashitaba Leaf Powder	Powder	Ashitaba Leaves Containing: Fiber, Calcium, Vitamin A, Vitamin B1, Vitamin B2, Vitamin K, Vitamin C, Carotene, Iron	High Nutritional Value *	Organic Certified By JAS (Japanese Agricultural Standard), Pleasant Taste	Foods, Beverages	Yes
Bacillus Subtilis Natto	Powder	Proprietary Bacillus Subtilis Strain	Probiotic Used For Immune-Support, Digestive Support *	FDA Recognized As GRAS, Stable And Durable Spore Probiotic	Foods, Beverages, Multivitamin Complex Supplements	Yes
BIOZYME	Paste And Powder	Fermented Vegetable Extract Containing: Amino Acids, Peptides, Oligosaccharides, Polysaccharides, Citric Acid, Vitamin B, Minerals	Promotes Bifidobacterium Population, May Have Positive Influences On Constipation, Alcohol Metabolism, And Skin Moisture Levels *	Highly Biologically Active Substance Superior To Conventional Enzyme Extracts	Foods, Beverages	Yes
NSK-SD®	Powder	Nattokinase	Promotes Arterial Health, Overall Cardiovascular Health *	Best Vitamin K2 Free Nattokinase, Highest Potency, Non-GMO, Non-Irradiated, Recognized By The JHFA (Japan Health and Nutrition Food Authorization), The JNKA (Japan Nattokinase Association), Most Clinical Studies	Foods, Beverages	Yes
Pro-K-Natto	Powder	Vitamin K2, Bacillus Subtilis, And Nattokinase	All Health Benefits Of Vitamin K2, Bacillus Subtilis, And Nattokinase *	FDA Recognized As GRAS, Foods For Specified Health Use (FOSHU) Approved In Japan, Manufactured In cGMP Facilities, No Unpleasant Taste Of Traditional Natto	Foods, Beverages	Vegetarian
Sesame Minerals	Powder	Calcium And Other Vital Minerals: Phosphorus, Zinc, Iron, Magnesium, Potassium	Calcium And Minerals Supplement *	Highly Bioavailable, Better Absorption, Patent Protected, Vegan Friendly	Foods, Beverages, Tablets, Capsules	Yes
Vitamin K2	Oil And Powder	Vitamin K2 (Menaquinone-7)	May Contribute To Bone And Cardiovascular Health *	Most Bioavailable Form Of Vitamin K2: MK-7	Foods, Beverages, Cosmetics	Vegetarian

* These statements have not been evaluated by the Food and Drug Administration. This product is not intended to diagnose, treat, cure or prevent any disease. ©2013 Japan Bio Science Laboratories, Inc.