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ApiHealth

New Zealand Limited

World leader in the manufacturing of innovative New Zealand Bee Venom Health Products

Innovative
Scientifically Proven



VENZ™
Certified Quality
NZ patented technology



WELCOME TO APIHEALTH!



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NZ patented technology



ApiHealth NZ Ltd is a world leader in the development and manufacturing of innovative New Zealand Bee Venom Health Products for human and animal consumption and was recognized as a Winner of Bank of New Zealand Waitakere Eco City Business Awards in two categories: "Best New Business" and "Innovative Business".

Founders of ApiHealth NZ Ltd are Dr. Nikolai Nikolaev and Dr. Tatiana Nikolaeva had many years of experience in biological science research and used their knowledge for new technologies and bee venom products development

Dr. Nikolai Nikolaev patented of technology for Bee Venom collection and technology for its using with honey and powder in safe and beneficial concentrations.

Today ApiHealth NZ Ltd is a main commercial bee venom VENZ™ producer in New Zealand and bee health products manufactured with ApiHealth technologies are becoming popular around the world.



What is Bee Venom?



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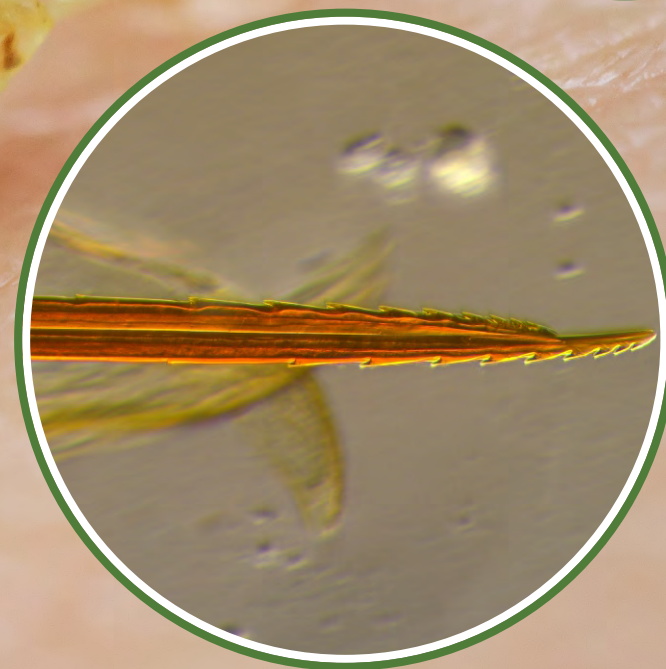


Bee venom is a unique multi-component complex, which contains about 30 biologically active compounds.

The main healing components are peptides: melittin, apamin, peptide 401, adolapin, and protease inhibitors. They protect body from various unfavourable health conditions.

Melittin is the main component of BV with remarkable healing properties and accounts for 40–60% of its composition. New Zealand Bee Venom VENZ™ is unique due to its Melittin content which is around 85%. It is the highest level in the world.

Side by side with traditional bee sting therapy it is possible now to use bee venom in the health products for oral and external application. ApiHealth was the first company in the world which developed and used bee venom as an innovative ingredient in health food products.



How does bee venom work in the body?



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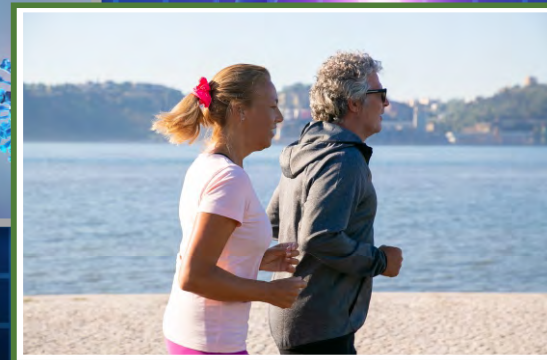
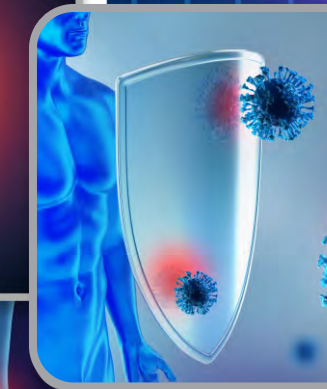
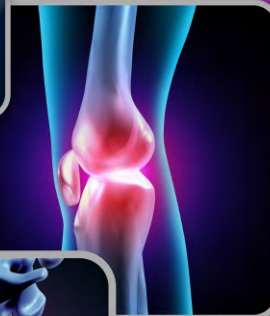


Bee Venom is the leader of apitherapy. Throughout the history of civilization, it has been well known as a medicine. Its therapeutic effect and benefits are described in the works of ancient natural scientists and doctors, such as Hippocrates (IV century AD), Plinius (I century), Halen (II century). Nowadays, an extensive research all around the world is being done on its medical applications.

"Everything on earth is venom, nothing lacks venomousness. Only a dose turns substance into venom or medicine", Paracelsus the great healer used to say more than 300 years ago.

Scientifically proved positive effects of bee venom on the body:

- works as a blood thinner and maintain blood circulation in normal
- supports physical strength and well being
- supports joint mobility by stimulating the production of cortisol in the adrenal glands
- has antioxidant effect
- supports the immune system



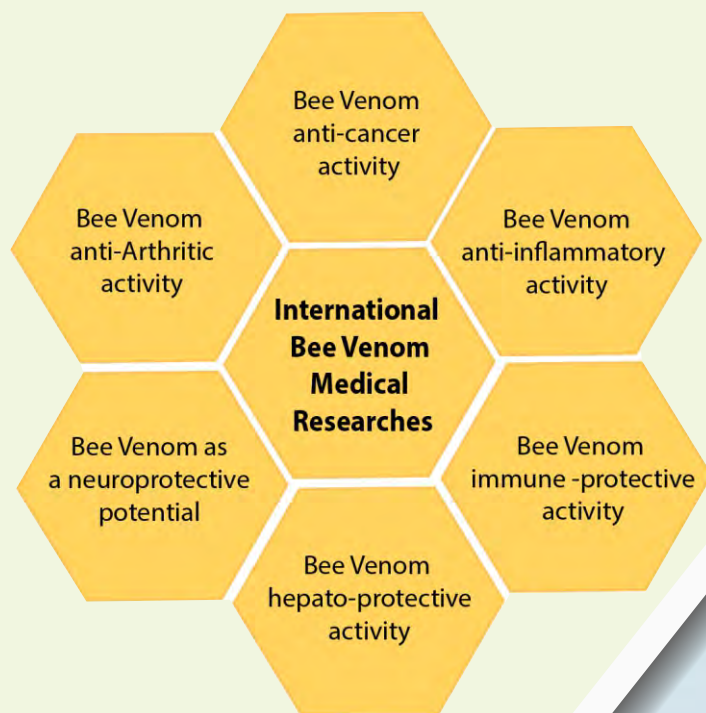
International Bee Venom Medical Research



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Today Bee Venom attracts more attention from international medical researchers. It is supposed that their ongoing scientific works on this topic will eventually allow BV and its compounds to be approved as a possible pharmacological component.



Bee Venom Medical Research Data



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NZ patented technology



Bee Venom Anti-Cancer activity

Duffy, C., Sorolla, A., Wang, E. et al. Honeybee venom and melittin suppress growth factor receptor activation in HER2-enriched and triple-negative breast cancer. *npj Precis. Onc.* 4, 24 (2020).

Rady, I.; Siddiqui, I.A.; Rady, M.; Mukhtar, H. Melittin, a major peptide component of bee venom, and its conjugates in cancer therapy. *Cancer Lett.* 2017, 402, 16–31.

Bee Venom as a Neuroprotective potential

Kim, K.H.; Lee, S.Y.; Shin, J.; Hwang, J.T.; Jeon, H.N.; Bae, H. Dose-Dependent Neuroprotective Effect of Standardized Bee Venom Phospholipase A2 Against MPTP-Induced Parkinson's Disease in Mice. *Front. Aging Neurosci.* 2019, 11.

Hyeon J H. et al, Bee venom phospholipase A2 ameliorates amyloidogenesis and neuroinflammation through inhibition of signal transducer and activator of transcription-3 pathway in Tg2576 mice. *Translational Neurodegeneration* (2019) 8:26



Bee Venom Anti-Arthritic activity

Son, D.J.; Lee, J.W.; Lee, Y.H.; Song, H.S.; Lee, C.K.; Hong, J.T. Therapeutic application of anti-arthritis, pain-releasing, and anti-cancer effects of bee venom and its constituent compounds. *Pharm. Ther.* 2007, 115, 246–270.

Bee Venom Anti-Inflammatory activity

Bae, G.; Bae, H. Anti-Inflammatory applications of melittin, a major component of bee venom: Detailed mechanism of action and adverse effects. *Molecules* 2016, 21, 616.

Bee Venom Hepato-Protective activity

Kim SJ et al. Bee venom inhibits hepatic fibrosis through suppression of pro-fibrogenic cytokine expression. *J Chin Med.* 2010; 38(5):921-35.

Immuno-Protective activity

Sakib H, et al Impact of Bee Venom Enzymes on Diseases and Immune Responses *Molecules* 2017, 22, 25

NZ Bee Venom VENZ™ Collection



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ApiHealth Trade Mark VENZ™, is a quality mark representing unique properties of New Zealand bee venom and technology of its collection.

ApiHealth collects bee venom VENZ™ from New Zealand bees using innovative and patented technology developed by Dr. Nikolai Nikolaev which allows collecting high quality bee venom without harming the bees.



ApiHealth Patents and Trade Mark



VENZ™
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LETTERS PATENT
 Number **333790**

ELIZABETH THE SECOND, by the Grace of God Queen of New Zealand and Her Other Realms and Territories, Head of the Commonwealth, Defender of the Faith; To all to whom these presents shall come, Greeting;

WHEREAS pursuant to the Patents Act 1953 an application has been made for a patent of an invention for **Preparing products including venom**
 (more particularly described in the complete specification relating to the application)

AND WHEREAS
NIKOLAI SERGUEEVICH NIKOLAEV, 19 Hawkins Street, Meadowbank, Auckland, New Zealand
 (hereinafter together with his or their successors and assigns or any of them called "the patentee") is entitled to be registered as the proprietor of the patent hereinafter granted.
 Address for service: PIPER KNOWLES, 300A Richmond Road, Grey Lynn, Auckland, New Zealand

NOW, THEREFORE, We by these letters patent give and grant to the patentee our special licence, full power, sole privilege, and authority, that the patentee by himself, his agents, or licensees and no others, may subject to the provisions of any statute or regulation for the time being in force make, use, exercise and vend the said invention within New Zealand and its dependencies during a term of twenty years from 18 April 2000 and that the patentee shall have and enjoy the whole profit and advantage from time to time accruing by reason of the said invention during the said term.

AND WE strictly command all our subjects whomsoever within New Zealand and its dependencies that they do not at any time during said term either directly or indirectly make use of or put into practice the said invention, nor in any way imitate the said invention without the consent, licence, or agreement of the patentee in writing under his hand, on pain of incurring such penalties as are prescribed by law and of being answerable to the patentee according to law for his damages thereby occasioned:

PROVIDED ALWAYS:

- (1) That these letters patent shall determine and become void if the patentee does not from time to time pay the renewal fees prescribed by law in respect of the patent;
- (2) That these letters patent are revocable on any of the grounds prescribed by the Patents Act 1953 as grounds for revoking letters patent;
- (3) That nothing in these letters patent shall prevent the granting of licences in the manner in which and for the considerations on which they may by law be granted;
- (4) That these letters patent shall be construed in the most beneficial sense for the advantage of the patentee.

IN WITNESS whereof We have caused these letters patent to be signed and sealed on 17 December 2001 with effect from 18 April 2000.

Neville Harris
 Neville Harris
 Commissioner of Patents, Trade Marks and Designs

The Trade Marks Act 1953
CERTIFICATE OF REGISTRATION

VENZ

Proposed to be used by the proprietor
 295559, 23 July 1998, Class 5: insect venom and products containing insect venom, including bee venom harvested in New Zealand. NIKOLAI SERGUEEVICH NIKOLAEV, a Russian citizen, of 176 Louvain Avenue, Mt Roskill, Auckland, New Zealand, manufacturer and merchant. Address for service, c/- James W Piper & Co, Unicorn House, 300A Richmond Road, Grey Lynn, Auckland 1002, NZ.

I hereby certify that, pursuant to the above-mentioned Act and to the Trade Marks Regulations 1954, that this Trade Mark No. 295559 was advertised in the *Patent Office Journal* No. 1432 issued on 24 September 1998 and has been registered, as set forth above, in Part A of the register.

Neville Harris
 Neville Harris
 Commissioner of Trade Marks
 21 January 1999

LETTERS PATENT
 Number **329585**

ELIZABETH THE SECOND, by the Grace of God Queen of New Zealand and Her Other Realms and Territories, Head of the Commonwealth, Defender of the Faith; To all to whom these presents shall come, Greeting;

WHEREAS pursuant to the Patents Act 1953 an application has been made for a patent of an invention for **Collection of insect venom**
 (more particularly described in the complete specification relating to the application)

AND WHEREAS
NIKOLAI SERGUEEVICH NIKOLAEV, 19 Hawkins St, Meadowbank, Auckland, New Zealand
 (hereinafter together with his or their successors and assigns or any of them called "the patentee") is entitled to be registered as the proprietor of the patent hereinafter granted.
 Address for service: PIPER KNOWLES, 300A Richmond Road, Grey Lynn, Auckland, New Zealand

NOW, THEREFORE, We by these letters patent give and grant to the patentee our special licence, full power, sole privilege, and authority, that the patentee by himself, his agents, or licensees and no others, may subject to the provisions of any statute or regulation for the time being in force make, use, exercise and vend the said invention within New Zealand and its dependencies during a term of twenty years from 8 April 1999 and that the patentee shall have and enjoy the whole profit and advantage from time to time accruing by reason of the said invention during the said term.

AND WE strictly command all our subjects whomsoever within New Zealand and its dependencies that they do not at any time during said term either directly or indirectly make use of or put into practice the said invention, nor in any way imitate the said invention without the consent, licence, or agreement of the patentee in writing under his hand, on pain of incurring such penalties as are prescribed by law and of being answerable to the patentee according to law for his damages thereby occasioned:

PROVIDED ALWAYS:

- (1) That these letters patent shall determine and become void if the patentee does not from time to time pay the renewal fees prescribed by law in respect of the patent;
- (2) That these letters patent are revocable on any of the grounds prescribed by the Patents Act 1953 as grounds for revoking letters patent;
- (3) That nothing in these letters patent shall prevent the granting of licences in the manner in which and for the considerations on which they may by law be granted;
- (4) That these letters patent shall be construed in the most beneficial sense for the advantage of the patentee.

IN WITNESS whereof We have caused these letters patent to be signed and sealed on 6 July 2000 with effect from 8 April 1999.

Neville Harris
 Neville Harris
 Commissioner of Patents, Trade Marks and Designs

ApiHealth Manufacturing Certification



ApiHealth operate under a risk management program (RMP) based on HACCP principles registered with New Zealand Ministry of Primary Industries (MPI)



Ministry for Primary Industries
Manatū Ahu Matua



NOTICE OF REGISTRATION

RISK MANAGEMENT PROGRAMME

Pursuant to section 22 of the Animal Products Act 1999, the Director-General has registered a risk management programme for:

Apihealth New Zealand Limited
Located at:
**52B Stonedon Drive, East Tamaki
AUCKLAND**

This risk management programme has been assigned the identifier:

API13/01

Risk management programmes manage hazards and other risk factors associated with animal products in order to ensure fitness for intended purpose, and are based on the principles of HACCP.

This registration is effective from 19/09/2013 and is subject to the condition(s) specified in the attached notice of conditions, issued under section 76(1).

Signed at Wellington on 20/09/2013



Peter Fairless
Manager (Appointments & Approvals)
Systems, Support & AC/IM
Standards Branch
Acting under delegated authority

ApiHealth Bee Venom VENZ Test Report



VENZ™
Certified Quality
NZ patented technology



Dried collected NZ
bee venom VENZ



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10 Bisley Road
Hamilton 3214, New Zealand
Ph +64 (07) 974 4740
sales@analytica.co.nz
www.analytica.co.nz

Certificate of Analysis

ApiHealth NZ Ltd
52B Stonedon Drive, East Tamaki
Auckland
Attention: Tatiana Nikolaeva
Phone: 09 271 6104
Email: info@apihealth.com

Job ID: 21-20524
Date Received: 06/05/2021
Date Completed: 08/06/2021
Order Number: N/A
Reference: N/A

Results Summary

Melittin in bee venom

Laboratory ID	Sample ID	Melittin	
		Units Reporting Limit	mg/g %w/w
21-20524-1	Batch V-21/D/A	850 0.025	85 0.0025%

Method Summary

Samples were tested as received by dilution analysis using UPLC-MSMS and quantified against a Melittin calibration curve.

Report Comments

Samples were received by Analytica Laboratories in an acceptable condition at ambient temperature. The analysis was performed by MS3 Solutions using Analytica Laboratories equipment.

Signatory

David Speed, Ph.D.
Scientist



Why NZ Bee Venom VENZ™ by ApiHealth NZ Ltd?



VENZ™
Certified Quality
NZ patented technology



NZ patented technology you can trust

Since 1998, ApiHealth NZ Ltd has been leading the way in bee venom product innovations. We have years of experience in biological research, biotechnology and apitherapy.

Premium quality made naturally

VENZ™ is 100% natural, locally produced with highest in the world Melittin content-82%

Ethical and humane philosophy

Our unique method of bee venom collection ensures that NZ precious honeybees are not harmed during the process.

Safety and efficacy

In our bee venom products, we use VENZ™ in safe and potent concentration, to maximize delivery potential of its active ingredients to the body.



Manuka VENZ Health Products



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ApiHealth is the first company in the world offered to use natural New Zealand bee venom VENZ™ as a novel food supplement and developed range of bee venom products and the technology of their manufacturing.

This technology was recognized as an innovative. The main advantage of this technology is the possibility of standardization of bee venom dosage in the final product. Another advantage is preservation of biologically active components of Manuka honey and bee venom and their beneficial properties during a long period of time.



Quality Assay of Manuka VENZ



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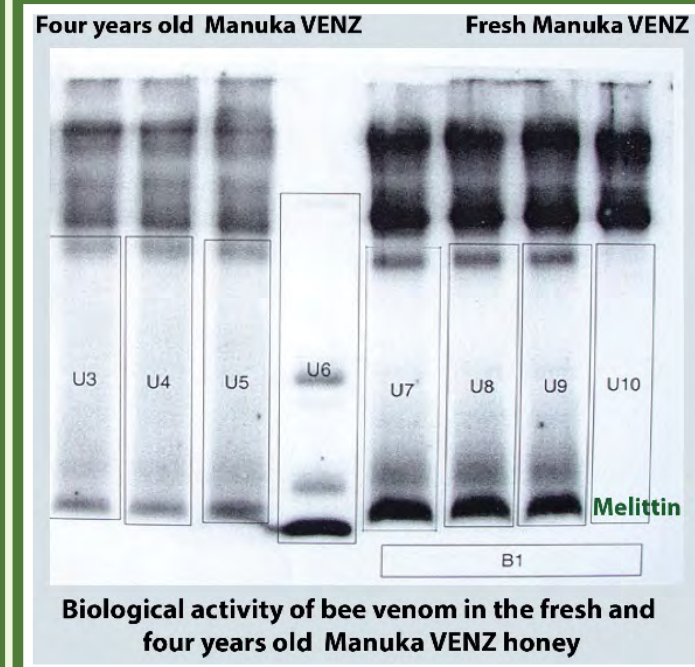


ApiHealth developed and used the following scientific test parameters, which reflect quality and safety of Manuka VENZ honey products.

Assay system for the testing the chemical and biological activity of New Zealand bee venom and Standards of Quality for bee venom .

Western Blotting Analysis (Immuno- Blot Assay) for control of bee venom concentration in every jar with honey.

Western Blotting Analysis (Immuno- Blot Assay) method for determination of shelf life of the honey product and bee venom stability in the product.



Manuka VENZ Health Products



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Manuka VENZ (*Multifloral Manuka Honey MGO100+ with added Bee Venom VENZ™*).

Product designed for General Well-Being

- Support the immune system
- Support the joint mobility
- Support skin condition
- Bee Venom works as a blood thinner and support blood circulation

Manuka ProVENZ (*Multifloral Manuka Honey MGO100+ with Bee Venom VENZ™ and Bio-Active NZ Propolis extract*). *Propolis Extract is natural protector for respiratory and immune health.*

Product designed for Immune and Respiratory health

- Support the respiratory system
- Aids the digestive system
- Support the joint mobility
- Support the immune system

Manuka GlucoVENZ (*Manuka Honey with Bee Venom and Glucosamine HCL*).

Glucosamine is responsible for the manufacture and proper function of joints and tissue such as ligaments, tendons and cartilage. Product designed for Joint Mobility Support

Support the joint mobility



Manuka VENZ Health Products



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Manuka PollenVENZ – (New Zealand Manuka honey, NZ Bee Venom and biologically active NZ Bee Pollen extract). Bee Pollen extract is a nutritional food for digestive system. ApiHealth extraction technology with breaking of pollen shells allows to get high level of biological active ingredients from bee pollen and make them available for the body.

Product designed for digestive support.

- Aids the digestive system
- Improves joint mobility
- Support the immune system



Manuka VENZ Ginseng - (New Zealand Manuka honey with bee venom VENZ and Panax Ginseng extract). Ginseng is scientifically recognized adaptogenic and work as an energy provider and immune system protector.

Product designed for immunity and energy support

- Tonic and overall strengthening effect
- Support body's natural energy resources
 - Joint mobility support

ApiVENZ Health Products



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ApiVENZ Relief chewable tablets is natural combination of New Zealand Bee Venom VENZ with nutritional properties of Glucosamine HCL. Glucosamine and bee venom maintain joint mobility function and allow keeping joint mobility in normal.

Support the joint mobility

Cream ApiVENZ™ Relief is manufactured with New Zealand bee venom VENZ™ and natural oils. If you have discomfort connected with joint mobility our concentrated bee venom cream will help you to get rid of your discomfort and come back to normal. ApiHealth cream has already gained a good reputation in many countries.

Support joint mobility
Muscles pain relief
Support blood circulation



Why ApiHealth Bee Venom Products are Premium Quality?



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- They are 100% natural from New Zealand
- They are scientifically formulated and scientifically tested and substantiated
- They manufactured under the guidance and supervision of our scientists.
- They developed with use Patents and Trademarks
- They manufactured under Risk Management Programme based on the application of HACCP principles.

This is the most definitive advantage of our products and company. Reputation and credibility of our products and country is of high importance for us.

Please evaluate the benefits of our 100% pure and natural New Zealand Bee Venom products designed to considerably improve your lifestyle.



Our contacts



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Auckland, 2013
New Zealand

Tel +64 9 271 6104

info@apihealth.com

For order or more information
visit us:

www.apihealth.com

