

Effects of Power Balance

Power Balance : an elixir of life



Queen Bless Selections



The Effects of Power Balance

After 3 weeks of consumption...



Effects after 3 weeks

Patented Formulated by Prof. 周七Shushichi Takahashi,
PhD Pharmaceutical Science

- Professor Takahashi has researched collagen from his days as a professor in the pharmaceutical department of Nihon University. Currently Dr. Takahashi is a professor at California Life Science Academy. He has appeared in many popular television programs such as “Omoikiri TV” and “Try Gatten” becoming famous as “Dr. Collagen”.

Power Balance used in Pigs' feed produces the very famous Tochukorai Pork

とちゅうこうらいとん なぜ杜仲高麗豚は 美味しいのか?

美味しい! コラーゲンたっぷり増量!
やわらかい!

杜仲高麗豚とは、漢方薬で知られる杜仲と高麗人參を配合した特許製品「天然の素」を飼料に添加し、与えられた豚のこと。豚が運動したと同程度にコラーゲンの代謝が維持でき、一般豚の1.5倍のコラーゲン量(当社比)を実現。肉質に「キメ細かさ」「締まり」「柔軟性」「味の良さ」を実現します。

開発したコラーゲン博士



薬学博士 高橋周七教授
日本大学薬学部教授時代よりコラーゲンを研究。現在はカリフォルニア人間科学大学院客員教授(USA)。「おもいっきりテレビ」や「ためしてガッテン」など、TV出演や著書も多数で、「コラーゲン博士」として有名です。

「天然の素」の主成分

杜仲葉

中国大陸のみに野生する落葉巨木。コラーゲンの新陳代謝を促進し、柔軟なコラーゲン(可溶性コラーゲン)をつくります。

高麗人參

中国東北地方～北朝鮮に野生。細胞のタンパク質の新陳代謝を促進し、精神を安定させます。

美味しさの秘訣

豚肉のコラーゲン量が増え、豊かな味わいに。

「天然の素」は杜仲と高麗人參の効果も最も高まる配合割合でつくれ、杜仲はコラーゲンの、高麗人參は細胞のタンパク質の新陳代謝を促進。その効果は国内外で高く評価され、国際特許を取得しています。豚肉のコラーゲンの量と質(可溶性コラーゲン)が向上することで、キメが整い、やわらかくて舌触りの良い、美味しい豚肉となります。

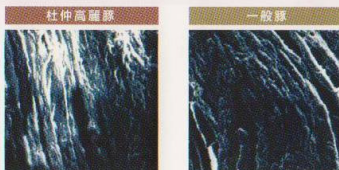
杜仲高麗豚ロース赤肉中のコラーゲン



美味しさの秘訣

加熱後も引き締まっている筋繊維。

豚ロース肉の走査型電子顕微鏡写真



杜仲高麗豚

一般豚

筋繊維が加熱後もしっかり結合している。

筋繊維がバラバラになりつつある。

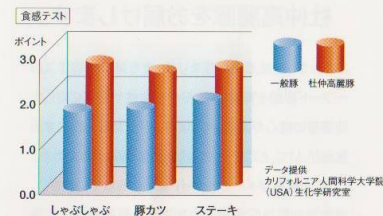
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杜仲高麗豚

美味しさの秘訣

一般豚を上回る味や食感。

豚肉をしゃぶしゃぶ、トンカツ、ステーキにし、味や食感(硬い、やわらかい)について、「最も良い」を3ポイント、「良い」を2ポイント、「普通」を1ポイントとして集計しました。(点数が高いほど評価が高くなっています) その結果、以下のように、杜仲高麗豚は優秀な成績をおさめました。



美味しさの秘訣

肉質、飼料、農場のベストマッチ。

豚の質がスゴイ!

豚肉の全体のバランスを左右するのは、その豚が生まれ持った遺伝形質です。杜仲高麗豚は赤肉に脂肪が適度に混ざること、加熱後にやわらかく香りの良い豚肉となります。

飼料の質がスゴイ!

豚肉の味を大きく左右するのは肥育用飼料です。配合飼料メーカーだからこその、新鮮で豚の形質にマッチした専用飼料(加熱大変使用)を食べさせています。

農場の質がスゴイ!

豚の健康を大きく左右するのは農場の飼育環境です。病原菌やウイルスの侵入の少ない衛生状態の良い農場ですくすくと育っています。

Preventive Effect of Ginseng with Du zhong leaf/Tochu

- According to the study done by Dr Takahashi Shushichi et al
- Aging process starts when protein synthesis is down regulated and metabolism system are depressed
- Ginseng effects, proven by Oura, creates stimulation of protein synthesis
- Ginseng combined with Duzhong leaf stimulate collagen synthesis and collagen metabolism of cells

Preventive Effect of Ginseng with Du zhong leaf/Tochu

- Dogs that are fed with a low protein diet will normally age faster than dogs that are fed on a high protein diet.
- The depression of collagen synthesis caused a depression of protein synthesis. One third of the protein available in the living body consists of collagen.
- Dogs then on a high protein diet needs to maintain a high amount of collagen synthesis for the regeneration of new cells to minimise aging process
- Best formulation of Ginseng to Duzhong leaf ratio is 1:3

Preventive Effect of Ginseng with Du zhong leaf/Tochu

- Results of Dr Takahshi's studies also shows that the Ginseng and Duzhong leaf combination were able to increase the activities of cytochrome P450 and carboxylesterase and an **accelerated detoxification process**
- in the study, intoxication by organophosphorus insecticides were used, namely chlorpyrifos which is used mainly as an insecticide on Agricultural produces in the USA
- Toxic action caused the irreversible inhibition of Cholinesterase(ChE)
- Ginseng and Duzhong leaf extract were able to detoxify the acute toxicity in the animals that were used for the test.

Preventive Effect of Ginseng with Du zhong leaf/Tochu

- Dr Takahshi reports also shows that the feeding of the combination to senile laying hens recovered the average oviposition rate to that of young hens.
- Mice fed with this powder synthesized protein more activity, these results have apparently caused by the increase in protein synthesis.
- Furthermore, feeding of this powder to cultured eels reportedly makes eel's boiled meat softer and smoother.

Synergistic Effect of Ginseng and Du zhong Leaf(Cortex)/Tochu

- 1)recover from fatigue
- 2)stimulates one's mind
- 3)makes organs healthy
- 4)Prevent from cold, influenza, pollinosis
- 5)prolong life
- 6)no side effects
- Stimulate collagen synthesis, protein synthesis in muscles and liver and turnover of scarfskin
- Total collagen improvements includes both soluable collagen and insoluable collagen in skin, tendon and bone.

Effects of hypergravity on Development of Cardiac and Skeletal Muscles growth

- Dr Takahshi also took part in a Cosmic experiment in space where he concluded that alteration in gravity causes skeletal muscles and cardiac muscles to retard.
- Under microgravity conditions, bones and muscle loses calcim and nitrogen(Mack, 1971; Thornton and Rummel 1977)
- The symptoms suffered from weightlessness have certain similarities to a symptom of senility which proceeds gradually by aging.
- Tochu administration has the effects of reversing the effects of hypergravity on muscle, bone growth.

Ingredients of Power Balance

Collagen, Tochu Leaf-Ginseng Extract, Shark Fin Extract (Chondroitin), Salmon Albino Extract(DNA), Raffinose, Glucosamine, Shyanpimion Extract, Oyster Shell Powder, Milpa Peptid, Arginin, Vitamin(A1,B1,B6,B12,C,E) naiocin,
Pantotenic Acid, Folic Acid

We have seen the effects of Ginseng and Tochu, NOW Power Balance is stronger with the adding of Collagen and other minerals!

Conclusion

- Power Balance is a healing medicine
- It leaves as a tonic, a diuretic, a aging preventive agent
- Power Balance not only promotes the activation of non collagenous protein synthesis but also collagen synthesis in the bone, blood vessels, intestines, and muscle fiber.
- Therefore, the increase of collagen synthesis activity is an important part in anti aging process.