Horsetail Grass Max-V

Natural source of silicon

DESCRIPTION

Horsetail Grass Max-V vegetarian capsules, offered by Douglas Laboratories[®], provide significant amounts of silicon as silicic acid.

FUNCTIONS

Horsetail grass (*Equisetum arvense*), also known as shave grass, bottle brush, and scouring rush, was traditionally used over the centuries in the West and the East for its astringent and wound healing properties. These therapeutic properties are due to the herb's high content of silica (5-8%), which also contributed to its reputation as a scouring agent. Its content of several flavone glycosides, e.g. isoquercitrin and equisetrin and the saponin equisetonin account for horsetail's reputation as a weak diuretic.

Today, scientific research supports horsetail grass' use as a wound healing agent, particularly for the repair and maintenance of connective tissue. Horsetail grass' high content of silicon as silica is responsible for these therapeutic effects. Connective tissue, e.g. bone, tendon, cartilage, blood vessels, and skin, contains most of the silicon found in the body. Silicon's primary role in the maintenance and repair of these tissues is thought to involve their structural framework as silicon appears to be an integral part of their supporting protein and glycosaminoglycan complexes. A deficiency of dietary silicon negatively affects the structure of this supporting matrix, i.e. collagen, elastin, and glycosaminoglycans, more than the mineralization process itself. Recent animal research shows that dietary silicon inhibits ovariectomy-induced loss of mineral mass from axial and trabecular bones, while it stimulates bone formation. These data suggest that dietary silicon may have an important therapeutic role in osteoporosis.

INDICATIONS

Horsetail Grass Max-V may be a useful dietary adjunct for those who wish to supplement their diet with silicon in a vegetarian capsule.

FORMULA (#77350)

Each Vcaps™ Vegetarian Capsule Contains:

SUGGESTED USE

Adults take 1 capsule daily between meals or as directed by physician.

SIDE EFFECTS

No adverse side effects have been reported.

STORAGE

Store in a cool, dry place, away from direct light. Keep out of reach of children.

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REFERENCES

Belles M, Sanchez DJ, Gomez M, et al. Silicon reduces aluminum accumulation in rats: relevance to the aluminum hypothesis of Alzheimer disease. Alzheimer Dis Assoc Disord 1998;12:83-7.

Calomme MR, Vanden Berghe DA. Supplementation of calves with stabilized orthosilicic acid. Effect on the Si, Ca, Mg, and P concentrations in serum and the collagen concentration in skin and cartilage. Biol Trace Elem Res 1997;56:153-65.

Eisinger J, Clairet D. Effects of silicon, fluoride, etidronate and

magnesium on bone mineral density: a retrospective study. Magnes Res 1993;6:247-9.

Hott M, de Pollak C, Modrowski D, et al. Short-term effects of organic silicon on trabecular bone in mature ovariectomized rats. Calcif Tissue Int 1993;53:174-9.

Jugdaohsingh R, Reffitt DM, Oldham C, et al. Oligomeric but not monomeric silica prevents aluminum absorption in humans. Am J Clin Nutr 2000;71:944-9.

McCarty MF. Reported antiatherosclerotic activity of silicon may reflect increased endothelial synthesis of heparan sulfate proteoglycans. Med Hypotheses 1997;49:175-6.

Nielsen FH. How should dietary guidance be given for mineral elements with beneficial actions or suspected of being essential? J Nutr 1996;126:2377S-2385S.

Reeves PG. Components of the AIN-93 diets as improvements in

the AIN-76A diet. J Nutr 1997;127:838S-841S.

Rico H, Gallego-Lago JL, Hernandez ER, et al. Effect of silicon supplement on osteopenia induced by ovariectomy in rats. Calcif Tissue Int 2000;66:53-5.

Trinca L, Popescu O, Palamaru I. Serum lipid picture of rabbits fed on silicate-supplemented atherogenic diet. Rev Med Chir Soc Med Nat Iasi 1999:103:99-102.

For more information on Horsetail Grass Max-V visit douglaslabs.com

† 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.

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You trust Douglas Laboratories.
Your patients trust you.