

Osteomax



Clinical Applications

- Provide a Multifaceted Approach to Bone Maintenance and Strength*
- Provide Foundational Support with Choline-Stabilized Orthosilicic Acid (ch-OSA®)*
- Support Bone Collagen Formation, Bone Mineral Density, and Bone Calcium Binding Sites*
- Provide a Complementary Combination of Micronutrients*

*Osteomax formulas offer a variety of micronutrient profiles, allowing for individualized nutrition support of bone health and maintenance. The foundation of each of these distinctive formulas is choline-stabilized orthosilicic acid (ch-OSA®), a source of the mineral silicon. Silicon has been researched for its role in collagen synthesis and bone mineral density (BMD). By adding other bone-specific nutrients to the ch-OSA foundation, each Osteomax formula is tailored to meet individual needs.**

All Clinicians Supplement Consultants Formulas Meet or Exceed cGMP Quality Standards

Discussion

Bone health is dependent on a constant supply of micronutrients for maintenance and repair. Instead of adopting a single-nutrient, unbalanced approach to supplementation, Clinicians Supplement Consultants utilizes an array of complementary, well-researched nutrients in its Osteomax formulas to build and maintain bone over time.*

Silicon as Choline-Stabilized Orthosilicic Acid (ch-OSA®) Osteomax formulas feature ch-OSA, a patented, stabilized, readily absorbed, bioactive form of silicon called orthosilicic acid. Decades of research suggest that there is a strong, positive association between dietary silicon and bone mineral density (BMD).^[1] The mechanisms of action appear to be silicon's support of collagen synthesis and stabilization, extracellular matrix mineralization, and connective tissue integrity.^[2,3] In cell-line studies, orthosilicic acid has been found to stimulate type I collagen synthesis.^[4] Type I collagen is a dense, heavily cross-linked protein that creates an extremely high tensile strength^[5] and contributes to bone strength and flexibility. These strong collagen strands are believed to create core-post "binding sites" for calcium and other bone minerals.^[6-8] A 12-month, randomized, double-blind, placebo-controlled (RDBPC) trial suggested that supplementing with ch-OSA conferred an additional benefit to a calcium/vitamin D regimen by improving bone formation markers and femoral neck T-scores.*^[9]

Vitamin D3 Cholecalciferol (vitamin D3) is the form of vitamin D that is endogenously synthesized in skin during exposure to sunlight. Unfortunately, several factors can limit this production including smog, sunblock, and geographic location. For many individuals, exogenous supplementation may be beneficial. Vitamin D plays a role in bone metabolism, BMD, and calcium/phosphorus status; researchers suggest that vitamin D supplementation may decrease bone turnover and increase BMD.^[10] Several randomized placebo-controlled trials with vitamin D and calcium showed significant improvement in maintenance of bone integrity.^[10] One randomized, population-based, three-year trial indicated that supplementation with vitamin D (800 IU/d) and calcium (1000 mg/d) had a positive and statistically significant impact on total body bone integrity.^[11] A pooled analysis evaluating 11 RDBPC trials concluded that vitamin D supplementation (>800 IU daily) was favorable in maintaining hip and nonvertebral bone integrity in those aged 65 and older.^[12] The vitamin D3 in Osteomax is from an edible lichen source and is vegan-suitable.*

Calcium as Microcrystalline Hydroxyapatite Concentrate (MCHC) Osteomax contain Ossopan MCHC, a premium, standardized bone extract from New Zealand bovine. This hydroxyapatite matrix comprises calcium, phosphorus, magnesium, bioactive growth factors, type I collagen, amino acids, glycosaminoglycans, and a broad range of essential trace elements. Hydroxyapatite is essentially a mineralized matrix that promotes resistance to compression and can be compared to reinforced concrete.^[5] Decades of scientific studies suggest that Ossopan supplementation fundamentally supports BMD and bone health.^[13-16] A meta-analysis of six controlled studies suggested that hydroxyapatite was significantly more effective than calcium carbonate in supporting bone structure and BMD.*^[17]

*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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Osteomax



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Supplement Facts

Serving Size: 1 Packet
Servings Per Container: 60

	(2) Bone Support with vitamin D3 Capsules		(1) ch-OSA® Capsule	
	Amount Per Serving	%DV	Amount Per Serving	%DV
Vitamin D3 (as cholecalciferol)	2000 IU	500%		
Calcium (as MCHC ¹)	550 mg	55%		
Phosphorus (as MCHC ¹)	198 mg	20%		
MCHC ¹	2.2 g	**		
Microcrystalline Hydroxyapatite (as MCHC ¹)	1.32 g	**		
Choline (as choline-stabilized orthosilicic acid ²)			60 mg	**
Silicon (as choline-stabilized orthosilicic acid ²)			3 mg	**

** Daily Value (DV) not established.

Other Ingredients for Bone Support with vitamin D3: HPMC (capsule), vegetable stearic acid, vegetable magnesium stearate, medium-chain triglycerides, and silica.

Other Ingredients for ch-OSA: Microcrystalline cellulose, HPMC (capsule), and purified water.

¹Microcrystalline Hydroxyapatite Concentrate

²Choline-stabilized orthosilicic acid (ch-OSA®) is a registered trademark of and manufactured by Bio Minerals n.v., Belgium.

Directions

Consume the contents of one packet with a meal, one to two times daily, or as directed by your healthcare practitioner.

Children and pregnant or lactating women should consult their healthcare practitioner prior to use. Do not use if tamper seal is damaged.

Does Not Contain

Wheat, gluten, corn protein, yeast, soy, dairy products, fish, shellfish, peanuts, tree nuts, egg, artificial colors, artificial sweeteners, or preservatives

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