

## Calcium Microcrystalline Hydroxyapatite

Healthy bones and teeth<sup>‡</sup>

### DESCRIPTION

Calcium Microcrystalline Hydroxyapatite provides micronutrients essential for healthy bones and teeth.<sup>‡</sup>

### INDICATIONS

- Support for bone metabolism<sup>‡</sup>
- Support for bone health<sup>‡</sup>
- Support for healthy teeth<sup>‡</sup>

### FUNCTIONS AND MECHANISM OF ACTION

Hydroxyapatite is made of two constituents, the micronutrients calcium and phosphorus, and is the bone mineral that strengthens the organic matrix to support bone-forming and bone-resorbing cell activity. Calcium from microcrystalline hydroxyapatite provides a source of calcium to support bone mineral composition. In addition, calcium is essential to maintain and perform cellular signaling in many physiological functions, including muscle contraction, neuronal excitability and cell growth. Phosphorus is stored in the bone as hydroxyapatite or distributed in soft tissues. It is involved in osteocyte maturation, the most abundant cells in bone, and mediates many biological processes including energy metabolism, nucleic acid maintenance and phosphorylation/dephosphorylation protein regulation.<sup>‡</sup>

### FORMULA (#202769)

Serving Size 2 Vegetarian Capsules

Calcium (from microcrystalline hydroxyapatite) (bovine)..... 500 mg

Phosphorus (from microcrystalline hydroxyapatite)..... 220 mg

Other Ingredients: Hydroxypropyl methylcellulose (capsule)

Gluten-free, Non-GMO

### SUGGESTED USE

As a dietary supplement, adults take 2 capsules daily, with or between meals, or as directed by your health professional.

### WARNING

If you are pregnant, nursing, have any health condition or taking any medication, consult your health professional before using this product.

Keep out of reach of children.

### STORAGE

Store in a cool, dry place, away from direct light. Use only if safety seal is intact.

### REFERENCES

Bonjour JP. *J Am Coll Nutr*. 2011 Oct;30(5 Suppl 1):438S-48S.

Kattimani VS, Kondaka S, Lingamaneni KP. *Bone Tissue Regener Insights*. 2016, Issue 7, p9-19. 11p. Quesada Gómez JM, Blanch Rubió J, Díaz Curiel M, Díez Pérez A. *Clin Drug Investig*. 2011;31(5):285-98.

Giorgi C, Marchi S, Pinton P. *Nat Rev Mol Cell Biol*. 2018;19(11):713-730.

Bristow SM, Gamble GD, Stewart A, et al. *Br J Nutr*. 2014 Nov 28;112(10):1611-20.

Stellon A, Davies A, Webb A, Williams R. *Postgrad Med J* 1985;61:791-796.

Castelo-Branco C, Ciria-Recasens M, Cancelo-Hidalgo MJ, et al. *Menopause*. 2009 Sep-Oct;16(5):984-91  
Ciria-Recasens M, Blanch-Rubió J, Coll-Batet M, et al. *Clin Drug Investig*. 2011 Dec 1;31(12):817-24.  
Michigami T, Ozono K. *Front Endocrinol (Lausanne)*. 2019; 10: 180.  
Krall EA, Wehler C, Garcia RI, et al. *Am J Med*. 2001 Oct 15;111(6):452-6.

**For more information on Calcium Microcrystalline Hydroxyapatite, visit [douglaslabs.com](https://www.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.

Manufactured by  
Douglas Laboratories  
600 Boyce Rd  
Pittsburgh, PA 15205  
800-245-4440  
[douglaslabs.com](https://www.douglaslabs.com)



PUSH YOUR POTENTIAL.

©2022 Douglas Laboratories. All Rights Reserved.