# AMINAMEND:

- Supports muscle protein synthesis
- Reduces muscle protein breakdown and damage
- Improves muscle recovery after exercise
- Prevents age-related muscle loss
- Improves muscle mass and function

**AminAmend** is a nutritional supplement designed to support healthy muscle mass and function as pets age.

AminAmend contains HMB, a molecule naturally produced by mammals from amino acids found in a typical diet. As pets age, this mechanism is impaired which is why supplementing with AminAmend is a reasonable strategy to improve muscle development.

AminAmend is a safe, clinically tested supplement to be taken daily to improve muscle synthesis, decrease muscle protein breakdown, and improve muscle recovery.

AminAmend is exclusively manufactured for Bio Health Solutions.
Patented Ingredient: US Pat. # 9,770,424

**TO LEARN MORE ABOUT AMINAMEND OR OUR OTHER PRODUCTS CONTACT US AT:**

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www.AminAmend.com
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Reno, NV 89501

SUPPORTS HEALTHY MUSCLE MASS AND FUNCTION

VETERINARIAN RECOMMENDED

AminAmend™
promotes healthy muscle development

# NATURALLY IMPROVES MUSCLE HEALTH IN DOGS AND CATS.

Patented Ingredient: US Pat. # 9,770,424

MADE IN THE USA

# WHAT IS AMINAMEND™?

## HMB SUPPLEMENTATION IS SUPPORTED BY DECADES OF RESEARCH

AminAmend supplements a healthy diet by increasing the amount of β-hydroxy β- methylbutyrate (HMB) and Vitamin D3 within the bodies of our companion animals. HMB is found naturally within the body as a product of the amino acid leucine, found in almost all proteins in a normal diet. However, it is often difficult for pets to consume enough protein to produce the right levels of HMB.

It has also been shown that the levels of HMB produced within the body decrease with age and lower levels of HMB present in the body have an inverse relationship with frailty[2]. Thus, HMB supplementation can protect against frailty and muscle decline later in life.

HMB has been used for over 2 decades by humans to enjoy a higher quality of life by maintaining muscle health throughout the aging process and improving muscle recovery. Studies have shown that the combination of HMB and Vitamin D3 is more effective at improving muscle mass and strength than HMB alone.

Like in humans, HMB can improve the quality of our pets' lives by improving health and mobility as they age by decreasing muscle protein breakdown and supporting muscle protein synthesis.

# FAQS

**Q** How long should my dog or cat take AminAmend?

**A** AminAmend is a supplement designed to be taken daily to support the long-term muscle health and function of your dog or cat.

**Q** Is AminAmend safe?

**A** Yes! AminAmend contains HMB, a naturally occurring molecule within the body, that decreases with age. Humans have taken HMB safely for decades. Safety studies in animals indicate that HMB can be ranked in the lowest measurable toxicity.

**Q** Can my pet take AminAmend if taking other supplements or medications?

**A** We are unaware of any contraindications or any other dietary supplements or medications.

# HOW CAN I ADMINISTER AMINAMEND?

- Most cats and dogs will eat AminAmend in their regular food.
- With an easy-to-use sprinkle capsule, simply sprinkle over their food or hide in a special treat.

**AminAmend for Cats and Small Dogs 300mg Each capsule contains:**
Active Ingredients: CaHMB, Vitamin D3, Inactive ingredients: Gelatin (from capsules), Magnesium Stearate, Maltodextrin, and Stearic Acid

| | |
|---|---|
| · Under 10 lbs | 1 capsule once daily |
| · 11-20 lbs | 2 capsules once daily |

**AminAmend for Dogs >20 lbs 1000mg Each capsule contains:**
Active Ingredients: CaHMB, Vitamin D3, Inactive ingredients: Gelatin (from capsules), Magnesium Stearate, Maltodetrin, and Stearic Acid.

| | |
|---|---|
| · 21-30 lbs | 1 capsule once daily |
| · 31-40 lbs | 1 1/2 capsules once daily |
| · 41-55 lbs | 2 capsules once daily |
| · 56-70 lbs | 2 1/2 capsules once daily |
| · 71-80 lbs | 3 capsules once daily |
| · 81-90 lbs | 3 1/2 capsules once daily |
| · 91-100 lbs | 4 capsules once daily |

1 Wilkinson DJ, Hossain T, Limb MC, Phillips BE, Lund J, Williams JP, Brook MS, Cegielski J, Philp A, Ashcroft S, Rathmacher JA, Szewczyk NJ, Smith K, Atherton PJ. Impact of the calcium form of β-hydroxy-β-methylbutyrate upon human skeletal muscle protein metabolism. Clin Nutr. 2018 Dec;37(6 Pt A):2068-2075. doi: 10.1016/j.clnu.2017.09.024. Epub 2017 Oct 6. PMID: 29097038; PMCID: PMC6295980.

2 Molina-Baena B, Carnicero JA, Pereira SL, García-García FJ, Santos-Fandila A, Cabrera RR, Rodríguez-Mañas L. Association between endogenous plasma beta-hydroxy-beta-methylbutyrate levels and frailty in community-dwelling older people. J Cachexia Sarcopenia Muscle. 2024 Feb;15(1):231-239. doi: 10.1002/jcsm.13394. Epub 2023 Dec 13. PMID: 38087937; PMCID: PMC10834356.

Peter P. Nghiem1, Alexis M. Rutledge1, KyleTehas1, Corine Kaderli1, Meredith Poling1, SidneyArnim1, Vitaliy Dernov1, Celine van Sas2, Macie L. Mackey1, Gabriella A. M. ten Have2, Mariëlle P. K. J. Engelen2 & Nicolaas E. P. Deutz2, Scientific Reports, (2025) 15:4026