



PROPATH[®]
PET

A Revolutionary Breakthrough In Animal Nutrition

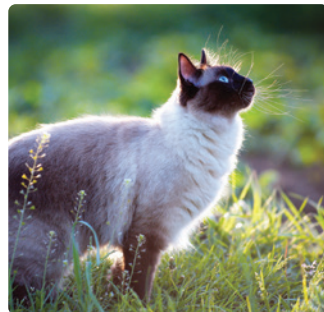
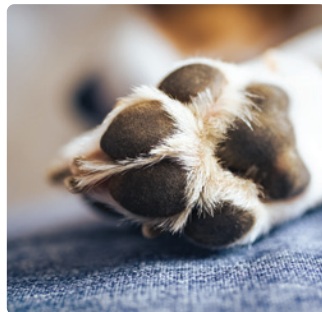


Zinpro® ProPath® Performance Minerals®

A Revolutionary Breakthrough In Animal Nutrition

Performance Minerals are redefining premium pet nutrition. The result of decades of scientific innovation, Zinpro ProPath is an innovative line of organic trace minerals designed with patented technology that utilized the amino acid transport system for uptake in the animal. Unlike conventional products that rely on uptake and absorption through the metal transport system, the exclusive molecule of Zinpro ProPath provides unique trace mineral absorption and metabolism, resulting in greater efficiency and efficacy, proven by animal data.

When fed as part of a well-balanced nutrition program, the essential trace minerals in Zinpro ProPath support **growth and development, skin and coat quality, paw pad health, energy metabolism and reproductive health** of pets.



Quality of Life Starts with Quality Products

To ensure exceptional nutrition, quality and safety are essential. Zinpro prides itself on having earned food industry certifications from a vast array of food safety organizations. In addition to those certifications, Zinpro is a preferred supplier with the National Animal Supplement Council (NASC). We advocate responsible and transparent practices, testing every batch of products to ensure they meet and exceed the pet food industry's more rigorous quality standards.



Quality

- Robust Food Safety plan that is FSMA compliant
- Good Manufacturing Practices (GMP)-based on pharmaceutical standards that meet the FSMA compliance regulations
- Rigorous supplier approval and monitoring program for all ingredients
- Complete ingredient and finished-product testing for potency, uniformity, heavy metals and dioxins
- Centralized staging of ingredient and separate finished-product storage to ensure only approved quality tested material is shipped to our customer

Traceability

- Complete production and process control of Zinpro-owned, US-based plants
- Integrated production and process system (SAP) that ensures full traceability of finished products and testing records
- Bar coding and Lot ID of all ingredients and finished products for ease of identification and to ensure full traceability
- Laboratory Information Management System (LIMS) that provides seamless tracking and traceability.

Sustainability

- Zinpro's corporate sustainability goal is to improve animal wellness while reducing demands on our planet's natural resources
- Zinpro's corporate mandate is to focus on sustainability initiatives for reducing our environmental footprint, through scientific advancements in nutrition, process optimization, or production optimization and a social responsibility to strive to be a good, global corporate citizen
 - The Anderson Foundation empowers young women through education in impoverished communities around the world
 - Corporate matching program to support charities important to Zinpro employees
- Sustainability Accomplishments:
 - 11% reduction in energy use at the Zinpro manufacturing plants through innovation
 - 50% less water use in production processes due to investments in new equipment and technology

The Most Effective Trace Minerals on the Market

**Unmatched Nutritional Excellence
For Premium Benefits**



BIOLOGICAL EFFICACY

Uniquely designed performance minerals utilizing the amino acid transport system to optimize absorption from the digestive tract, enabling unique metabolism once in circulation, and resulting in improved health and wellbeing.



STABILITY

The unique molecular bond is designed to maintain stability even within the harsh conditions of the gastrointestinal tract, promoting maximum absorption.



SOLUBILITY

Our patented amino acid complex is highly soluble for maximum absorption and improved utilization.



UPTAKE & ABSORPTION

Our breakthrough patented molecule utilizes the amino acid transport system for unique mineral uptake and absorption.



METABOLICALLY AVAILABLE

Effective metabolism at the molecular level ensures that trace minerals reach the targeted organs, tissues and enzyme systems that improve pet health and wellbeing.



PERFORMANCE DRIVEN

Animal studies prove that Zinpro® ProPath® has the highest biological efficacy for advanced animal health and wellbeing.



Superior Nutrition For Optimal Health and Wellness

VERSATILITY

Highly adaptable and flexible for even the most specialized diets, including, wet, dry, kibbled and fresh for a variety of pets.

SUSTAINABILITY

Ensures maximum utilization and minimal mineral waste for a highly sustainable choice, benefiting both your pet and the environment.

HIGHLY CONCENTRATED

Patented molecular technology with no carrier provides maximum mineral content and diet density, which allows for more space in the formulation and premix. Offers operational efficiencies like reduced freight and warehouse needs.

Forging a Superior Path to Health and Wellbeing



Essential Trace Minerals, Exceptional Health Benefits

Zinpro® ProPath® is formulated to maximize operational efficiencies, support profitability and optimize animal nutrition and performance.

BENEFITS	TRACE MINERALS	BENEFIT DESCRIPTION
SKIN & COAT	Manganese, Iron and Zinc	<ul style="list-style-type: none">• Development of a longer, fuller coat• Epidermal (skin) cell maintenance through cell division, protein synthesis and antioxidant activity to remove superoxide radicals• Facilitates wound healing• Helps avoid or reduce nutritional anemia
JOINT & SKELETON	Manganese	<ul style="list-style-type: none">• Chondroitin sulfate synthesis, key to formulation, maintenance and repair of joint cartilage• Bone matrix development and maintenance
	Zinc	<ul style="list-style-type: none">• Cell division and protein synthesis for skeletal growth and repair
IMMUNE RESPONSE	Copper, Manganese, Zinc and Iron	<ul style="list-style-type: none">• Humoral immunity; antibody titers in response to vaccination• Cell-mediated immunity• Non-specific immunity• Antioxidant activity to remove free radicals and protect cell membranes
PAW PAD CONDITION	Manganese	<ul style="list-style-type: none">• Antioxidant activity to protect cell membranes
	Zinc and Copper	<ul style="list-style-type: none">• Cell division to support paw pad growth and repair• Paw pad protein synthesis; collagen, keratins, cell envelope proteins and intercellular cementing substance
CLAW & NAIL INTEGRITY	Zinc, Manganese and Copper	<ul style="list-style-type: none">• Tissue keratinization for claw and nail integrity
REPRODUCTION	Iron and Copper	<ul style="list-style-type: none">• Reproductive hormone synthesis: steroidogenesis• Helps avoid nutritional anemia
	Manganese	<ul style="list-style-type: none">• Male libido• Fetal skeletal development
	Zinc	<ul style="list-style-type: none">• Reproductive tract tissue integrity• Conception rates• Sperm maturation and quality
ENERGY	Zinc, Manganese, Copper and Iron	<ul style="list-style-type: none">• Improved health leaves more energy for activities• Wellbeing enhanced, as health problems are minimized or reduced in severity

Zinpro is Nutrition You Can See™

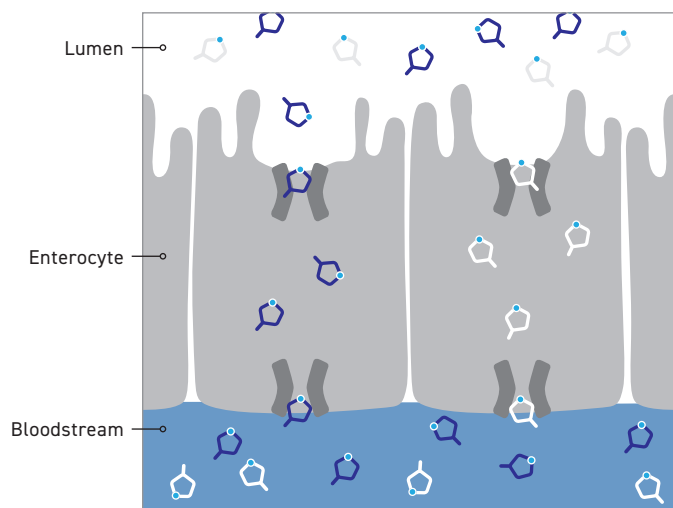
At Zinpro, we understand that happy, healthy animals show it and you can tell when they are feeling their best. While required only in small amounts each day, trace minerals provide the essential nutrients animals need for building a robust immune system, promoting healthy coats and developing strong bones. Zinpro is the best trace mineral available for pets. **It's Nutrition You Can See™.**

We use science-based solutions to create products with proven uptake and absorption to deliver the full benefits of trace minerals. By improving absorption and metabolism in animals, you can optimize the health and wellbeing of your animals.



The Pathway to Success

Best Mineral Absorption For Superior Performance

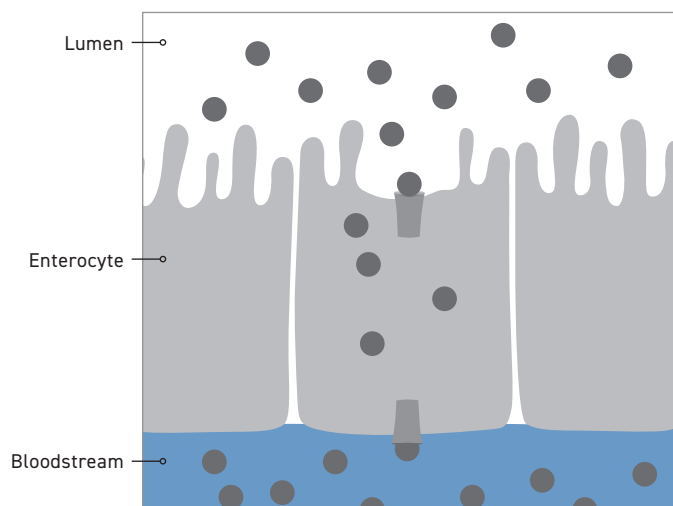
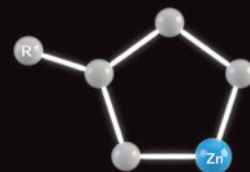


PERFORMANCE MINERALS

Consistent, Stable, Unique Design for Advanced Nutrition

Zinpro® Performance Minerals® are the only minerals that utilize an amino acid transport system for unique mineral absorption and metabolism. The result is a trace mineral that is more effectively absorbed into the enterocyte and released into the bloodstream, improving performance and helping animals realize their genetic potential.

Animal studies across several species have shown, conclusively, that Zinpro® ProPath® Performance Minerals® has **unique metabolism and improved performance.**



CONVENTIONAL ORGANIC TRACE MINERALS

Limited, Variable Absorption with Inconsistent Results

Most conventional organic trace minerals deliver inorganic metals to the enterocyte. They are no different to the animal than sulfate, oxide, chloride and hydroxy chloride. All of these use the inorganic transport system and are affected by antagonists.

Zinpro® ProPath®

Designed For Dry Food Applications



ProPath® Zn
Zinc amino acid
complex



ProPath® Mn
Manganese amino acid
complex



ProPath® Cu
Copper amino acid
complex



ProPath® Fe
Iron amino acid
complex

Zinpro® ProPath® LQ

Specialized for Wet Food Applications



ProPath® LQ Zn
Zinc amino acid
complex



ProPath® LQ Mn
Manganese amino acid
complex



ProPath® LQ Cu
Copper amino acid
complex



ProPath® LQ Fe
Iron amino acid
complex



Zinpro® ProPath® products are listed by the Organic Materials Review Institute (OMRI) for certified organic animal production in the United States. This certification allows these products to be used in the production of organic foods (milk, meat, eggs, etc.), which saves time and expense for feed formulation reviews.



PROPATH[®] PET

Zinpro is dedicated to ensuring pets receive the best trace mineral nutrition at levels optimized for them. This is why the nutrition team at Zinpro developed Zinpro[®] ProPath[®] Pet recommendations. Not a single product, but recommendations that are designed to best fill the needs of pets while also allowing flexibility for your individual foods to be unique and differentiated.

Recommended Zinpro Trace Mineral Supplementation

For Dogs



100 ppm Zn	25 ppm Mn
45 ppm Fe	7 ppm Cu

For Cats



100 ppm Zn	15 ppm Mn
80 ppm Fe	12 ppm Cu

For more information on the Zinpro ProPath line of products visit:
zinpro.com/propath





Together, Let's Prove the Power of Partnership

Together we work to achieve better health and wellbeing for animals and people that's why **Zinpro is Nutrition You Can See™**.

At Zinpro, our innovations raise the standard of excellence in pet health and nutrition. We believe that advanced nutrition is at the heart of ensuring happy, healthy pets while still being partners around the globe. For more than five decades, we've been committed to innovation, and that's why we invest in building an understanding of the health and development of pets through research, more than any other trace mineral supplier. Our team of leading scientists and technical experts is always breaking new ground, and our patented Performance Minerals® have opened up the next horizon in trace mineral performance. With a history of proven performance, we set the bar for the best in animal nutrition, and we are committed to exceeding our own high standards of continued innovation.



For more information:
contact your Zinpro
representative or visit
zinpro.com