

# A Commitment To Quality



OUR PROMISE TO YOU

# *Going the Distance for Perfection*



## *Profit-Potential In The Bag*

There are no shortcuts to superior performance. Any number of industry variables can reduce animal performance and producer return. With Zinpro Performance Minerals, the variability factor in your trace mineral program can be eliminated.

The consistency of Zinpro Performance Minerals comes from decades of continual product and process development. We go to great lengths to ensure that our products do what we say they do.

Every bag – in fact each molecule – exceeds the highest industry standards for quality and delivers trace mineral nutrition based on sound science and integrity.

The result is the highest quality trace mineral ingredients on the market that are designed to produce positive animal performance and profitable returns for livestock and poultry producers.



*Each bag of Zinpro Performance Minerals –  
in fact each molecule – exceeds the highest industry standards for quality.*

# INTEGRITY

## No Shortcuts Allowed

The patented complexing process we employ to produce a consistent product requires that we use only the best raw materials available on the market. “Feed grade” materials are not an option and variability isn’t tolerated.

Our manufacturing process produces the most bioavailable products, resulting in reliable animal response and, most importantly, a positive return for producers.

Throughout our manufacturing we follow strict procedures for product identification, traceability, and analysis and approval. These include:

### Raw Materials

When raw materials are received, they are examined and either approved or rejected.

### I.D. Labels and Bar Coding Technology

Each raw material is assigned and tagged with a lot code.

### Traceability

Finished products can be traced back to raw material components. The initial product lot codes are labeled on each finished bag as well as documented on packaging and shipping reports.

## Quality Assurance Analysis

Before any Zinpro Performance Mineral product is approved for sale, it is analyzed to make sure it meets our strict standards. Each product is verified for:

### Mineral Content

All finished product is analyzed to ensure correct mineral concentration.

### Percent Complexed

Consistency begins at the molecular level, and product variability is not an option. We guarantee the percentage of our product that is complexed – the highest percentage in the industry.

### MicroTracer Technology

MicroTracers allow us to examine feed samples and indicate if Zinpro products were formulated into the feed. This provides quality assurance to the producer and the nutrition consultant.



Zinpro utilizes a color-coding system during production so every employee can quickly and easily identify what stage the product is in during the manufacturing process:

### • Red

*Raw materials or in-process products; not approved for shipment*

### • Yellow

*Finished products inspected but waiting final analytical approval*

### • Green

*Finished products approved for shipment*



## Performance by Design

### *Not All Trace Minerals Are The Same*

Other trace mineral products on the market have much larger, less-stable molecular structures, and they are not easily absorbed by livestock and poultry. These different classes of trace minerals have different response levels in animal nutrition.

Zinpro Performance Minerals have been shown to be *the only performance minerals on the market*. They are designed and manufactured to be absorbed and utilized by the animal, resulting in a higher level of production and greater profitability.

### *Unique Structure Makes The Difference*

Because they are readily available to the animal when ingested, our minerals pass through the stomach and into the intestine where they are absorbed into the bloodstream and then transported to tissues and organs for utilization.

To consistently produce performance minerals, Zinpro manufactures products through a patented complexing technology that provides the most consistent and reliable animal performance in the industry.



*Our proprietary molecular bond between an amino acid and a metal ion makes the difference in Zinpro Performance Minerals.*

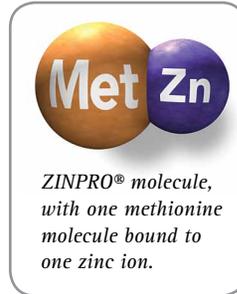
*There are many different sources of trace minerals on the market. However, it is critical to understand which products improve animal performance.*

# Performance Minerals

## Metal Specific Amino Acid Complexes

Metal specific amino acid complexes combine a known amino acid with a single metal ion to form specific chemical entities. The result is the most readily available form of trace minerals, providing the best return on investment in the market today.

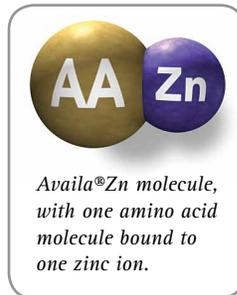
Our products in this category include ZINPRO® zinc methionine, MANPRO® manganese methionine and CuPLEX® copper lysine. Trace mineral combination products such as 4-Plex® also fall into this category.



## Metal Amino Acid Complexes

Zinpro Corporation was the first company to manufacture metal amino acid complexes for livestock and poultry diets. These complexes are manufactured with our patented “amino acid extraction process” that breaks down a pure source of protein into free amino acids. These free amino acids are then complexed to the trace mineral.

Like metal-specific amino acid complexes, the result is the most readily available form of trace minerals and a strong ROI. Our products in this category include Availa®Zn, Availa®Cu, Availa®Mn and Availa®Fe, as well as combination products Availa®4, Availa®Z/M and Availa®Sow.



# Performance Criteria

Zinpro pioneered the science of organic trace minerals more than 35 years ago. Backed by our company commitment to quality, Zinpro Performance Minerals stand apart from the rest of the industry when measured by performance, research, safety and return.

To be classified as Performance Minerals, products must meet essential measurable criteria based on the following underlying principles:

### Return

Must show a positive return on investment.

### Response

Must demonstrate a response superior to the level of performance obtained by standard minerals.

### Repeatability

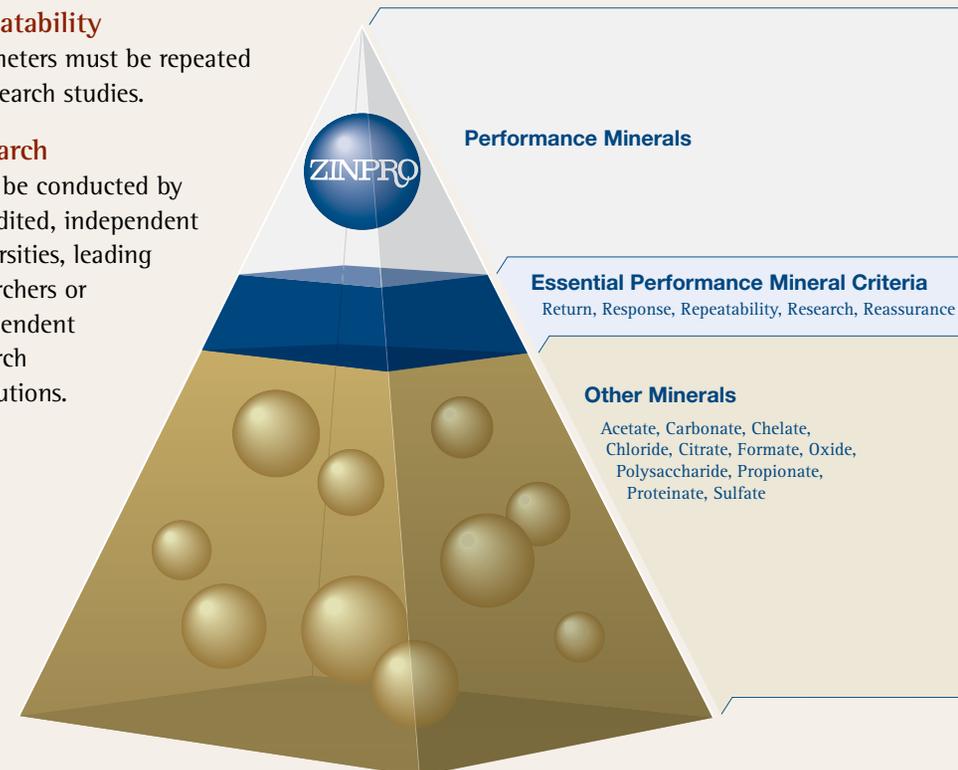
Parameters must be repeated in research studies.

### Research

Must be conducted by accredited, independent universities, leading researchers or independent research institutions.

### Reassurance

Must undergo multiple mineral tests and complexing analysis and employ a traceability process.



# Manufacturing Assurance



## ZINPRO FACILITIES

### Manufacturing

We manufacture all of our Zinpro Performance Minerals in three highly specialized production facilities. Two are located in Garner, Iowa, and one is located in North Branch, Minnesota.

### Research

Our state-of-the-art research laboratory in Eden Prairie, Minnesota, provides the latest tools for quality analysis and product development.

## Unwavering Attention To Detail

From the time we unload raw materials and inspect them prior to manufacturing until we load the approved, finished products for final delivery, you'll find our expert attention to detail on every bag of Zinpro Performance Minerals.

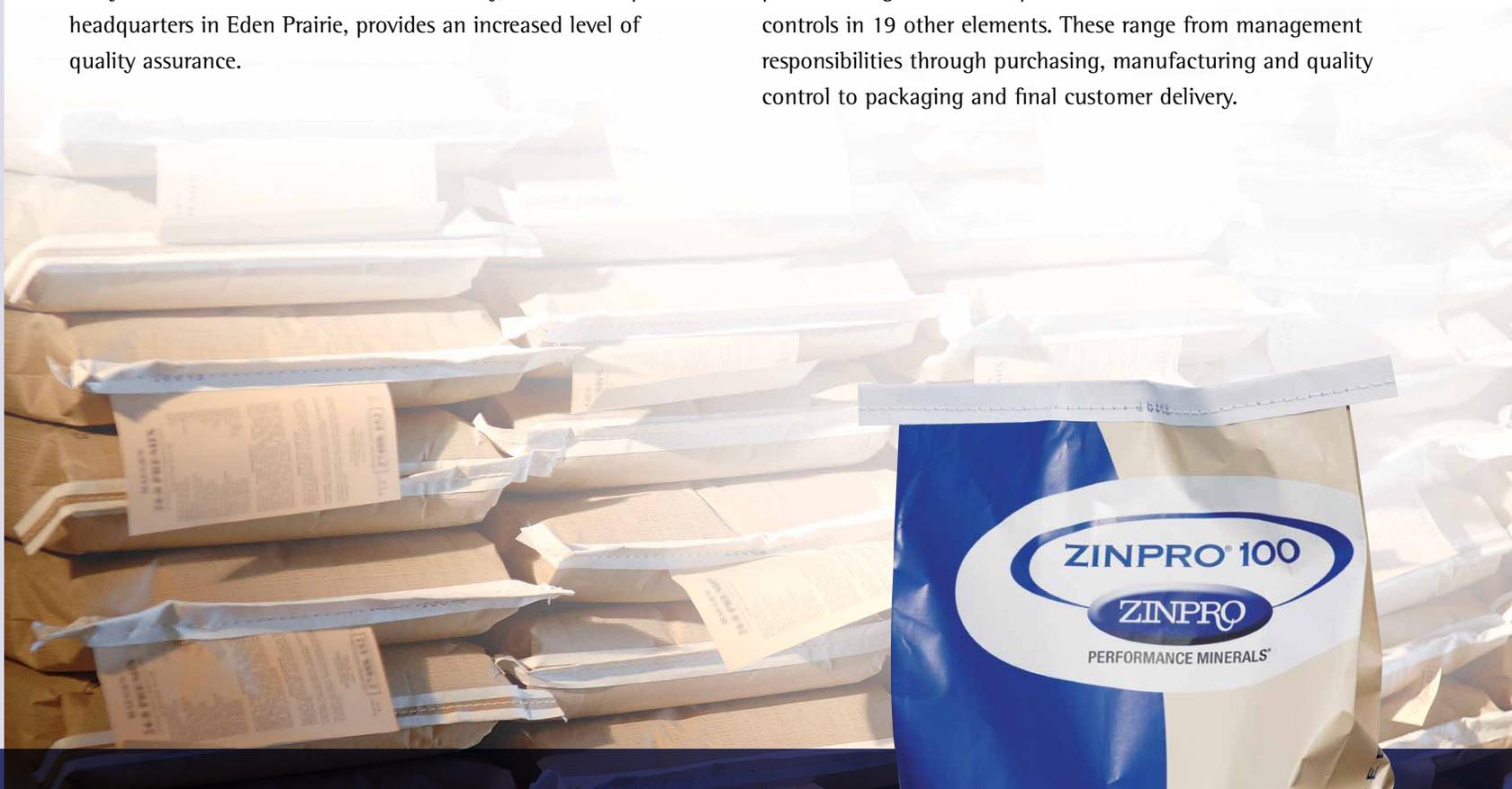
All three of our manufacturing plants have quality control laboratory facilities on-site and experienced production staffs that are simply the best at what they do.

In addition to the manufacturing plants, a state-of-the-art laboratory for product research and development, and quality analysis is located in Minnesota. This facility, near our corporate headquarters in Eden Prairie, provides an increased level of quality assurance.

Zinpro Corporation is ISO 9001:2008 certified, the current standard of ISO 9000. This certification means we have put in place critical process controls for products in three vital areas:

- Identification
- Traceability
- Analysis and Approval

In addition, the ISO 9001 quality system standard includes requirements for all aspects of product design and development controls in 19 other elements. These range from management responsibilities through purchasing, manufacturing and quality control to packaging and final customer delivery.



## Quality, Certified

Zinpro proudly participates in other industry programs and certification standards as well. A few of these include:

### HACCP and FAMI-QS

Hazard Analysis and Critical Control Point (HACCP) is a food safety standard administered by the FDA. FAMI-QS (Feed Additives and Premixtures Quality System) is a code of practice covering feed additives and premixtures in Europe.

### FCI Restricted-Use-Protein Certified

Facility Certification Institute (FCI) and American Feed Industry Association (AFIA) programs are designed to enhance consumer confidence in the feed and food supply.

### AFIA Safe Food/Safe Feed

American Feed Industry Association program designed to demonstrate and ensure continuous improvement in the delivery of a safe and wholesome feed supply for the growth and care of animals.



**F**ACT: ISO (International Organization for Standardization) standards focus on quality management systems, setting out requirements for all aspects of product manufacturing and customer service.



# Quality People Producing Quality Products



Headquartered in Eden Prairie, Minnesota, USA, Zinpro Corporation has sales offices throughout the U.S., Canada and Mexico. In addition, Zinpro markets and sells its products worldwide, with offices in The Netherlands, China, Japan, Thailand, Brazil, Australia and New Zealand.

The history of Zinpro Corporation dates to 1971, when the late Dean Anderson discovered how to biochemically bind zinc to methionine in a form that proved to have the highest bioavailability. This discovery was significant in that this highly stable molecule was easily absorbed and utilized by animals.

Since that time, the family-owned company has added quality people around the globe who are passionate about offering products that make a positive difference for animal agriculture. Providing a more effective source of trace minerals translates into higher-producing animals, which in turn leads to better financial returns for livestock and poultry producers.

Zinpro Performance Minerals® are backed by a company commitment to quality, and they stand apart from the rest of the industry when measured by performance, safety and return.

In the end, our promise to you is simple: when you choose Zinpro Performance Minerals, you've chosen a product and a company that work for your business.

## Our Promise To You



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Zinpro CEO, Michael D. Anderson