



# CHELATED MINERAL COMPLEX

A complete, patented mineral blend with maximum absorption to promote energy, stamina and a healthier you.



Minerals are critical to maintaining high energy, stamina, healthy organs, strong bones and healthy hair, skin and nails. Unfortunately, modern refining, processing, and cooking methods rob food of many of its essential nutrients. Our typical diet of nutrient deficient foods, combined with a busy lifestyle, is a sure recipe for mineral deficiency. In fact, over 95 percent of the North American population is deficient in at least one important nutrient. Infinity2's Chelated Mineral Complex combines 10 essential minerals with CAeDS® in a unique balance designed to replenish the mineral deficiencies in your diet.

**I need Chelated Mineral Complex if...**

- I eat cooked or processed foods.
- I have low energy levels.
- I want to optimize my immune function.
- I want strong bones, healthy hair, skin, and nails.

**Recommended Usage:**  
Take 3 capsules daily.

**Storage:**  
Store closed in a cool, dry location.

**Shelf Life:**  
2 years

**Item#:**  
US69608: Chelated Mineral Complex 90ct



**Allergens:**  
Contains no major allergens.  
(Contains no milk, egg, wheat, soy, peanuts, nuts, corn, fish or shellfish.)

**Drug/Nutrient Interactions:**  
None.  
Consult your health practitioner and/or pharmacist if you are using any medications.

**Special Considerations/Contraindications:**  
None.

## Benefits:

- Improve function and appearance of skin.
- Maintain healthy hair, skin, and nails.
- Supports energy and stamina levels.
- Provides essential minerals for developing stronger bones and healthy immune function.
- Minerals activate the enzyme systems of the body for better digestion, metabolism, and overall body function.
- Essential for hormone production and organ health.

## What Makes Chelated Mineral Complex Superior?

Infinity2's Chelated Mineral Complex has raised the standard for mineral supplementation. This formula is a proprietary blend of amino acid chelated minerals specifically formulated to meet the mineral needs of most individuals.

- Contains only patented amino acid chelated minerals – the best absorbed, easily tolerated, most bioavailable, and safest form of mineral.
- Provides only those minerals truly needed by the body in a harmonious balance to replenish common mineral deficiencies
- Albion Gold Seal of quality.
- Includes a custom formulated Chelate Activated Enzyme Delivery System (CAeDS®) that guards the minerals from deactivation and assures the nutrients in this unique supplement are delivered to the cells of the body for guaranteed maximum effectiveness.
- All natural, highest quality ingredients, gluten free, lactose free, and completely vegetarian.
- Contains no dairy, wheat, soy, MSG, artificial colors, flavors, or sweeteners, and no chemical preservatives, additives, or fillers.

Supplement Facts		
Serving Size 3 Capsules		
Servings Per Container 30		
Amount Per Serving		% DV
Calcium (as calcium amino acid chelate)	300 mg	30%
Iron (as Ferroche <sup>®</sup> )	4.5 mg	25%
Magnesium (as magnesium chelazome <sup>®</sup> )	150 mg	38%
Zinc (as zinc chelazome <sup>®</sup> )	9 mg	60%
Selenium (as selenium amino acid complex)	30 mcg	43%
Copper (as copper chelazome <sup>®</sup> )	1.2 mg	60%
Manganese (as manganese chelazome <sup>®</sup> )	1.5 mg	75%
Chromium (as chromium chelavite <sup>®</sup> )	75 mcg	63%
Molybdenum (as molybdenum chelazome <sup>®</sup> )	30 mcg	40%
Vanadium (as vanadium chelavite <sup>®</sup> )	30 mcg	†
CAeDS <sup>®</sup> for Chelated Mineral Complex	129 mg	†
CereCalase <sup>®</sup> (hemicellulase, beta-glucanase, phytase), Protease 4.5.		
† Daily Value (DV) not established.		

Other Ingredients: Vegetable fiber, water.



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## Chelated Mineral Complex Technical Information

### Where Minerals Come From

In chemistry, a mineral is simply an inorganic (non living) element found in nature. In nutrition, however, the term mineral is used to classify those dietary elements essential to life processes. Minerals are natural elements which are not of animal or vegetable origin. They are essential for the proper function of many body processes including: muscle contraction, oxygen transport, nerve impulse conduction, acid-base balance of the blood, maintenance of body water supplies, blood clotting, proper immune function, and normal heart rhythms (1). Many minerals are used as the building blocks for body tissues such as bones, teeth, and muscles. Additionally, some minerals are important components or activators of several enzymes and hormones (1). Minerals do not provide a source of caloric energy, but are essential for the proper functioning of metabolic enzymes, which in turn are essential for the metabolic energy pathways. In fact, enzymes cannot function unless minerals are present. "Other than the use of minerals as electrolytes and structure, metabolism is the main purpose of minerals in nutrition."

-- Stan Bynum, PhD

Minerals are found in the soil and are eventually incorporated in growing plants. Animals get their mineral nutrition from the plants they eat, whereas humans obtain their supply from both plants and animals consumed as food. As minerals are excreted from the body in sweat, urine, or feces, they must be replaced daily. Inadequate mineral nutrition has been associated with a variety of human diseases, including anemia, high blood pressure, diabetes, cancer, tooth decay, and osteoporosis (1).

### The Necessity of Mineral Supplementation

Proper dietary intake of essential minerals is necessary for optimal health, energy, vitality, and physical performance. Unfortunately, most people do not obtain enough nutrient minerals to sustain optimum health (8). The lifestyles and nutritional habits of individuals living in developed countries no longer allows for optimum nutrition. Over cooking and the technological processing of our foods "robs" the food of its essential nutrients (7; 8). In addition, our soils are becoming more nutrient depleted and our foods contain lower amounts of essential minerals than in the past. It is becoming more difficult to eat a healthy, balanced diet that will provide adequate amounts of nutrient minerals for health.

Even those who attempt to eat balanced healthy diets do not always obtain enough essential minerals, because the bioavailability of many minerals is markedly influenced by the form in which they are consumed. Bioavailability is defined as the amount of a nutrient that may be absorbed into the body, or the degree to which a nutrient is utilized at the cellular level. In general, most minerals are poorly absorbed from the intestine and certain compounds in foods may inhibit mineral absorption.

### Minerals Selected

Considerable confusion seems to exist in the dietary supplement industry on the subject of minerals as nutrients. In some cases, it is assumed that all minerals have nutritional value. However, this is not true. Minerals that are considered to be nutrients are strictly defined by six criteria:

- Presence in healthy tissue of all living things.
- Fairly constant concentration from one animal species to the next.
- Withdrawal from the body induces the same abnormalities, regardless of species studied.
- Re-introduction reduces or prevents these abnormalities.
- The abnormalities are always accompanied by specific biochemical changes, such as reduction in activity of a specific enzyme.
- The biochemical changes can be prevented or cured when the deficiency is prevented or cured.

There are twenty-one minerals that meet these criteria (1). They are calcium, phosphorous, magnesium, sodium, potassium, chloride, iron, zinc, copper, selenium, chromium, iodine, manganese, molybdenum, fluoride, nickel, silicon, vanadium, arsenic, boron, and cobalt. Of these, there are no known deficiencies in humans of phosphorous, sodium, chloride, nickel, silicon or arsenic. Potassium, while sometimes deficient in certain diseases, is not one of the minerals that is depleted from commercially grown foods (because it is added to commercial fertilizers). Iodine is commonly added to foods, and its deficiency has become rare. Cobalt is only an essential nutrient in humans as vitamin B-12. Supplementation with fluoride is not considered prudent because its requirement level is too close to the level at which toxicity occurs. Boron supplementation is restricted in many developed countries due to boron levels in municipal water and other sources. This leaves calcium, magnesium, iron, zinc, copper, selenium, chromium, manganese, molybdenum, and vanadium as the appropriate ingredients of a complete mineral supplement, and these are the mineral ingredients in Infinity2's Chelated Mineral Complex.

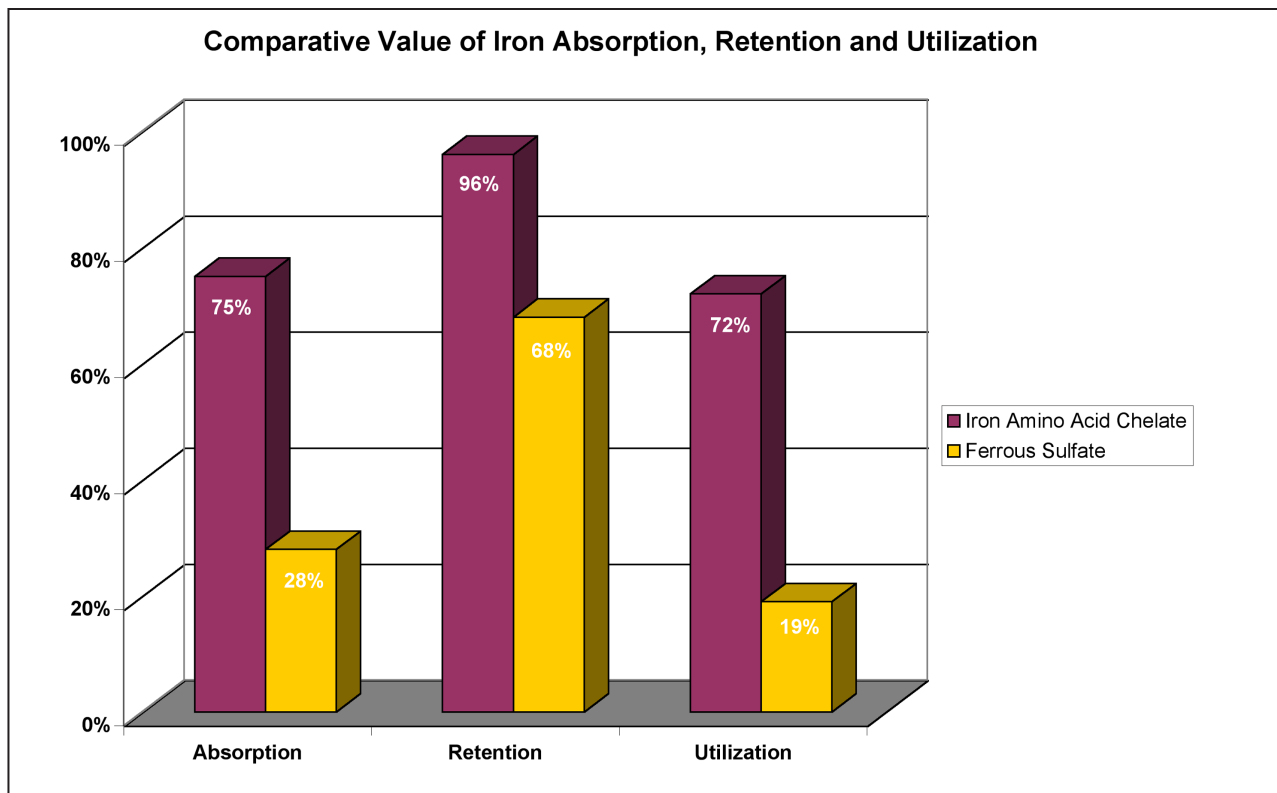
### Why Use Chelated Minerals?

While some supplements have a high mineral content, those minerals that are not "chelated" are not available for use at the cellular level. The term chelation refers to the process of binding a mineral to another substance in order to facilitate absorption and ensure the mineral can be used by the cells. This process enables a mineral to be absorbed through the gut wall.



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Chelated Mineral Complex Technical Information (Continued)



The Infinity2 Product Formulation Team is aware of the importance of nutrient minerals and the need for increasing the bioavailability of minerals. Infinity2 uses only amino acid chelated minerals from the only company which holds a patent on this process, Albion Laboratories. Albion Amino Acid Chelates are the best absorbed, best tolerated, and most bioavailable mineral form.

The chart above compares iron as amino acid chelate to iron as ferrous sulfate (the most common form of supplemental iron) and clearly demonstrates that the amino acid is not only absorbed more effectively, but is also better retained in the body, resulting in nearly 4 times greater utilization by the body. Because more of each mineral is absorbed and utilized by the body, you don't need to take large amounts to receive health benefits. In fact, because you are taking only what you need, you can avoid many of the unpleasant and common gastrointestinal side effects from mineral supplementation.

Amino acid chelated minerals are absorbed as amino acids rather than minerals, so they have the highest absorption rate possible, allowing for increased utilization by the body (2-6). In addition to using the most bioavailable minerals, Infinity2 Chelated Mineral Complex also includes a specially designed CAeDS® system which guards the minerals from deactivation and assures cellular delivery. With more of the mineral available in the system, the body will have adequate supplies to build new tissues, activate enzymes, and regulate hormones.

**The CAeDS® Difference**

CAeDS® is a highly sophisticated nutrient delivery system that ensures the rich nutrients in Infinity2 products are absorbed and delivered to the cells of the body. The powerful combination of Infinity2's premium quality ingredients, advanced formulations, and a cellular nutrient delivery system makes it virtually impossible for any other company to match the effectiveness of our products. Simply put, CAeDS® guarantees cellular nutrition for maximum effectiveness!

References

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