



FAST FACTS ABOUT CHELATED ZINC

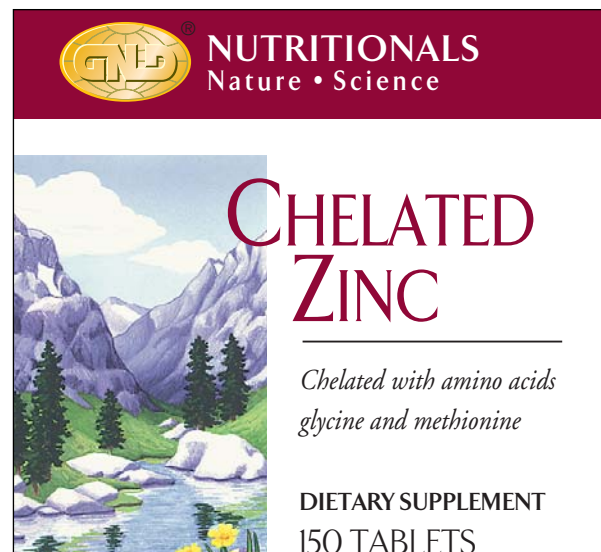
In addition to its proven ability to reduce the severity and duration of common cold symptoms, zinc supports healthy reproduction and energy metabolism, normal prostate function, and the healing of wounds. GNLD provides high-purity and high-potency zinc, plus natural amino acid chelation for improved absorption.

WHY ZINC?

- In scientific studies, **zinc supplements reduced the duration of cold symptoms by an average of three days**, and also reduced the severity of symptoms, including cough, headache, congestion, runny nose, sore throat, and sneezing.
- Zinc is **essential for normal growth and development of reproductive organs, and normal prostate function**.
- Zinc is important in wound healing, and has been **proven effective in helping to speed the healing of ulcers**.
- Zinc is involved in the **absorption and activity of B-complex vitamins, and is a component of insulin and 25 enzymes** related to digestion. All of these factors contribute to normal metabolism of carbohydrates.
- Zinc is involved in the **production of proteins as well as DNA and RNA**, nucleic acids which encode our genetic information.
- Zinc is required for **normal skin, bones, and hair**.
- Zinc is required in **respiration** for the proper transfer of carbon dioxide, a waste product, in red blood cells.
- Zinc is necessary for **normal appetite and the ability to taste** accurately.
- Because the best food sources of zinc are meat and seafood, **vegetarian or low-meat diets may provide less than the 12.5 mg of zinc required daily** for optimal health.

WHY GNLD CHELATED ZINC?

- **Highest potency and purity.**
GNLD's pharmaceutical-grade zinc base provides both high purity and high potency.
- **Chelated for improved absorption.**
In our unique chelation process, zinc is reacted with the amino acid methionine, a process proven to improve zinc absorption in the body. This is particularly important since less than 10% of dietary zinc is normally absorbed.



Supplement Facts

Serving Size 2 Tablets
Servings Per Container 75

| Amount Per Serving | % Daily Value |
|---|---------------|
| Zinc (as zinc glycinate and methionate) 30 mg | 200% |

Other Ingredients: Dicalcium phosphate, powdered cellulose, sodium croscarmellose, stearic acid, hydroxypropyl methylcellulose, natural color, magnesium stearate and triacetin.



K

Lot #

811

Best If
Used By

SUGGESTED USE: 2 tablets daily between meals.

The body needs zinc to make DNA, RNA, insulin, dozens of critical enzymatic reactions, and to facilitate immune response and cellular repair and renewal. Zinc is vitally important for healthy skin, connective tissue and normal prostate function.*

* 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.

GNLD's double amino acid chelates support higher zinc absorption.

Store in a cool, dry place, away from direct sunlight.

Packaged with safety seal.

NOT SOLD IN RETAIL STORES

Available Exclusively From GNLD Distributors



Golden Neo-Life Diamite International
Fremont, CA 94538 U.S.A.

Leading edge nutrition since 1958.



THE CHELATED ZINC STORY

FROM ENERGY TO REPRODUCTION

Zinc was first shown to be biologically important more than 100 years ago when it was found to be needed for the growth of certain bacteria. In the 1920s, it was demonstrated to be required for the growth of rats. In the 1960s, zinc was shown to be an essential nutrient for humans.

Zinc performs a myriad of functions within our bodies. Zinc is:

- Involved in the absorption and activity of vitamins, especially B-complex vitamins.
- A component of insulin.
- A component of 25 enzymes related to digestion, including digestion of carbohydrates and alcohol.
- Involved in the production of the nucleic acids DNA and RNA, which encode our genetic information.
- Essential for normal growth and development of reproductive organs.
- Essential for normal prostate function.
- An important factor in the healing of wounds and burns.
- Required for normal skin, bones, and hair.
- Required in respiration for the proper transfer of carbon dioxide, a waste product, in red blood cells.
- Necessary for normal appetite and the ability to taste properly.

TRACE MINERAL WITH HEALING POWER

Dramatic evidence of the healing powers of zinc has been reported by medical research teams. In one study, ulcer patients who did not test deficient in zinc were given zinc supplements; a second group was given placebos. The ulcers in the zinc treatment group healed at three times the rate of the placebo group, and complete healing of ulcers occurred more often among the patients taking zinc.

Recent research has indicated that zinc supplementation may be recommended for elderly patients who have bedsores or are at risk of developing them.

Zinc has also been connected with reduced risk of damage to the retina that sometimes occurs in patients with diabetes. Diabetics tend to have low blood levels of zinc. One study has shown that diabetics with retinal damage have even lower zinc levels than diabetics with no retinal damage. Similarly, some studies indicate that zinc may help prevent macular degeneration, a major cause of blindness.

Prostate enlargement, a common condition that occurs in men as they get older, may be relieved with zinc supplementation. Studies have shown that men suffering from prostate enlargement tend to have low levels of zinc in prostatic fluids, and supplementation can raise these levels and reduce the enlargement. In one study, 14 out of 19 patients treated with zinc supplements had shrinkage of the prostate after two months.

Zinc supplementation may also be important for postmenopausal women. Although most women lack sufficient calcium in their diets, when daily intake exceeds 1,000 mg, zinc absorption may be impeded. Because calcium intake is so important, researchers suggest that zinc supplementation may offset any negative effects of raising the daily intake of calcium after menopause.

ZINC BEATS THE COMMON COLD

The common cold is one of the most frequently occurring human illnesses in the world. More than 200 viruses can cause common colds in adults, including rhinoviruses (the most frequent cause), parainfluenza viruses, and others. In the United States each year, adults develop an average of two to four colds a year, and children develop an average of six to eight colds per year.

A number of controlled studies have shown that supplemental zinc had a beneficial effect in providing relief of cold symptoms. A 1996 study tested the efficacy of zinc gluconate lozenges in reducing the duration of symptoms caused by the common cold in 100 people who developed colds within 24 hours before enrolling in the study. Based on daily symptom scores for cough, headache, hoarseness, muscle ache, nasal drainage, nasal congestion, scratchy throat, sore throat, sneezing, and fever, the study showed that the time to complete resolution of symptoms was significantly shorter in patients taking zinc than in a placebo group. In fact, zinc reduced the duration of cold symptoms by an average of three days.

ZINC DEFICIENCY SYMPTOMS

The most common cause of zinc deficiency is an unbalanced diet, although other factors may be responsible. For example, the consumption of alcohol may precipitate a zinc deficiency by flushing stored zinc out of the liver and into the urine.

In addition, zinc is poorly absorbed. Although the healthy human body contains about 2.2 gm of zinc — more than any other trace mineral except iron — less than 10% of dietary zinc is absorbed.

The average consumption of zinc in the U.S. is 12.7 mg daily, but vegetarian and low-protein diets may provide less, as most of the best sources of zinc are meat, including oysters, liver, beef, pork, lamb, and poultry. Other good sources include spices, wheat bran and wheat germ, nuts and peanut butter, cheddar cheese, and popcorn.

Lack of zinc in the human diet has been studied extensively in Egypt and Iran, where a major constituent of the diet is unleavened bread prepared from wheat flour high in phytates which limits absorption of zinc. Zinc deficiencies have also been observed in young children from U.S. middle class homes who consume less than an ounce of meat per day.



Zinc deficiency is characterized by loss of appetite, stunted growth in children, skin changes, loss of taste sensitivity, dull hair, white spots on fingernails, and delayed healing of wounds. In experimental animals, zinc deficiency during pregnancy has resulted in malformation and behavioral disturbances in the offspring – a finding which suggests that the same thing may happen to human fetuses.

GNLD DELIVERS NATURAL AMINO ACID CHELATED ZINC

Zinc comes in a number of varieties and potencies. GNLD chose the best of both. Our pharmaceutical-grade zinc is both high purity and high potency.

In our unique chelation process, pharmaceutical-grade zinc is reacted with the amino acid methionine. In this process, two amino acid molecules bond with each zinc atom to form our exclusive 2-to-1 zinc-amino acid chelate. Tests show that amino acid chelation improves zinc absorption.

