# Zinc Chelate<sup>™</sup>









**IMMUNE SUPPORT** 



#### Features of Zinc Chelate:

- · Supports healthy immune system response function\*
- · Supports skin health
- · Promotes protein synthesis
- Provides cofactor support for enzymatic functioning
- Supports male hormonal health
- Supports digestion\*
- Excellent source of zinc

### The Importance of Zinc

Zinc is an essential mineral for all ages. It plays a role in the body's enzyme functions associated with maintaining structure of proteins, cells, and acid-base balance. It also helps support tissue health, cell growth, and immune response. Zinc is also a factor in normal growth and development in children, immunoregulation at all stages of growth, protein synthesis, and eye health.1

Zinc is a shortfall mineral in older adults (males, 35-41%; females, 36-45%),2 but supplements can play a role in filling the gap of inadequate dietary intake in all ages. There is growing evidence to support zinc supplementation in older Americans in the area of immune support.3

The RDA for adults is set at 11 mg for men and 8 mg for women.4

Caution: This product is processed in a facility that manufactures other products containing soy, milk, egg, wheat, peanut, tree nuts, fish, and

# Supplement Facts

Serving Size: 1 Tablet Servings per Container: 180

	Amount per Serving	%Daily Value				
Zinc	10 mg	91%				
Proprietary Blend	220 mg	+				
Bovine liver, organic beet (root), organic carrot, and organic sweet potato.						
†Daily Value not establis	shed.					

Other Ingredients: Zinc amino acid (rice) chelate, honey, arabic gum, and calcium stearate.

### Available Size:

Zinc Chelate 180 Tablets

### Recommended Dietary Allowances for Zinc

Male	Female	Pregnancy	Lactation
2 mg^	2 mg^		
3 mg	3 mg		
3 mg	3 mg		
5 mg	5 mg		
8 mg	8 mg		
11 mg	9 mg	12 mg	13 mg
11mg	8 mg	11 mg	12 mg
	2 mg^ 3 mg 3 mg 5 mg 8 mg 11 mg	2 mg^     2 mg^       3 mg     3 mg       3 mg     3 mg       5 mg     5 mg       8 mg     8 mg       11 mg     9 mg	2 mg^ 2 mg^ 3 mg 3 mg 5 mg 5 mg 8 mg 8 mg 11 mg 9 mg 12 mg

<sup>^</sup> Adequate Intake (AI)

DOSAGE

**NOTES** 

AM

PM

## Zinc Chelate<sup>™</sup>



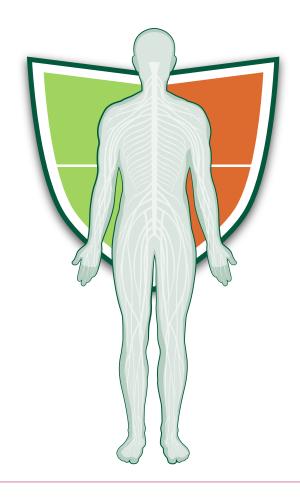
**IMMUNE SUPPORT** 

### **Immune Support**

Zinc is a multifaceted immune system nutrient<sup>8,9</sup> that takes on multiple roles within the immune system. A healthy immune system is paramount to overall health, and zinc plays a crucial function in immune cell operations.<sup>5,6,7</sup> When zinc is deficient in the diet, then immune functions like phagocytosis and cytokine production are negatively impacted <sup>5,6,7.</sup> Zinc can also support antioxidant capacity and healthy inflammatory processes.

#### The Role of Chelation

Chelation is a process where ionically charged mineral salts (such as zinc chloride) come in contact with a ligand (such as charged amino acids) from rice protein concentrate. The two charged groups (zinc and amino acids) form a stable bond to make the metal less reactive. This is common in plants such as rice, which are known to be useful mineral scavengers. The process to make the zinc rice chelate utilizes enzymes to break down rice protein to hydrolyzed amino acids that are more effective in chelation.



### REFERENCES

- Roohani, N., Hurrell, R., Kelishadi, R., & Schulin, R. (2013). Journal of research in medical sciences: the official journal of Isfahan University of Medical Sciences, 18(2), 144–157.
- Ervin, R. B., & Kennedy-Stephenson, J. (2002). The Journal of Nutrition, A 132(11), 3422-3427. doi:10.1093/jn/132.11.3422
- Cabrera Á. J. (2015). Pathobiology of aging & age related diseases, 5, 25592. https://doi.org/10.3402/pba.v5.25592.
- Office of Dietary Supplements Zinc. (n.d.). Retrieved June 26, 2020, from https://ods.od.nih.gov/factsheets/Zinc-HealthProfessional/
- Shankar, A. H., & Prasad, A. S. (1998). The American journal of clinical nutrition, 68(2 Suppl), 4475–463S. https://doi.org/10.1093/ajcn/68.2.447S
- Prasad A. S. (2008). Molecular medicine (Cambridge, Mass.), 14(5-6), 353–357. https://doi.org/10.2119/2008-00033.Prasad
- Wessels, I., Maywald, M., & Rink, L. (2017). Nutrients, 9(12), 1286. https://doi.org/10.3390/nu9121286
- 8. Prasad A. S. (2014). Frontiers in nutrition, 1, 14. https://doi.org/10.3389/fnut.2014.00014
- Jarosz, M., Olbert, M., Wyszogrodzka, G., Młyniec, K., & Librowski, T. (2017).
   Inflammopharmacology, 25(1), 11–24. <a href="https://doi.org/10.1007/s10787-017-0309-4">https://doi.org/10.1007/s10787-017-0309-4</a>







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We apply a holistic approach to how we farm, manufacture and protect the quality of our products. This comprehensive strategy ensures that our clinical solutions deliver complex nutrients as nature intended. It's how we define the whole food health advantage.

