

FUNCTIONALAB

BEAUTY NUTRITION

Key Minerals

13 minerals

DESCRIPTION

A complete array of synergistic active minerals and trace elements that help maintain general health.*

FUNCTIONS

Minerals play a variety of essential roles throughout the body. Calcium is the principal mineral constituent of bone and is thus essential for healthy bone structure and function. Calcium also participates fundamentally in blood clotting, nerve conduction, and muscle contraction. Iodine is necessary for the synthesis of the thyroid hormones thyroxine and triiodothyronine. These thyroid hormones regulate the body's metabolic rate. Magnesium is involved in energy metabolism, and is notably important in the heart, skeletal muscles, and nervous system.

Copper regulates iron metabolism and activates superoxide dismutase, a powerful endogenous antioxidant. Zinc is important for growth, immune system function, protein synthesis, antioxidant mechanisms, and wound healing. Chromium is required for normal blood sugar and lipid metabolism; it is an integral component of glucose tolerance factor (GTF).

Manganese is essential for antioxidant systems in the body, bone growth, fat metabolism, and protein, nucleic acid, and cartilage synthesis. Molybdenum is involved in copper and iron transport, nucleic acid synthesis, and sulfur metabolism. Potassium is involved in normal muscle tone, nerve function, and many enzymes. Selenium is an essential cofactor of glutathione peroxidase, a potent antioxidant. Current research suggests that silicon may have an inhibitory effect on loss of bone mineral mass as well as a stimulatory effect on bone formation. Vanadium is active in lipid and glucose metabolism, while boron is involved in steroid hormone metabolism, cell membrane stability, and bone health.

FORMULA (#20107-90)

3 Tablets Contain:

Calcium (Krebs [†])	450	mg
Iodine (Potassium Iodine)	150	mcg
Magnesium (Krebs [†])	190	mg
Copper (Krebs [†])	1.25	mg
Zinc (Krebs [†])	18	mg
Chromium GTF (Polynicotinate)	300	mcg

Manganese (Krebs [†])	30	mg
Molybdenum (Krebs [†])	50	mcg
Potassium (Krebs [†])	99	mg
Selenium (Krebs [†])	200	mcg
Silicon (Chelate)	2	mg
Vanadium (Krebs [†])	75	mcg
Boron (Citrate)	100	mcg

[†]Krebs=Citrate, Fumarate, Malate, Glutarate and Succinate Complex

SUGGESTED USE

Adults take 3 or more tablets daily or as directed.

SIDE EFFECTS

The nutrients in Spectramin Chelate are safe and generally well-tolerated. No adverse effects have been reported.

STORAGE

Store in a cool, dry place, away from direct light. Keep out of reach of children.

REFERENCES

- Ahsan SK. Magnesium and cardiovascular diseases. *J Indian Med Assoc* 1997;95:185-8.
- Anderson RA. Chromium in the prevention and control of diabetes. *Diabetes Metab* 2000;26:22-27.
- Chan S, Gerson B, Subramaniam S. The role of copper, molybdenum, selenium, and zinc in nutrition and health. *Clin Lab Med* 1998;18:673-85.
- Combs GF, Jr. Chemopreventive mechanisms of selenium. *Med Klin* 1999;94 Suppl 3:18-24.
- Durlach J, Bac P, Durlach V, et al. Magnesium status and ageing: an update. *Magnes Res* 1998;11:25-42.
- Halperin ML, Kamel KS. Potassium. *Lancet* 1998;352:135-40.
- Prasad AS. Zinc and immunity. *Mol Cell Biochem* 1998;188:63-9.
- Preuss HG, Anderson RA. Chromium update: examining recent literature 1997-1998 [see comments]. *Curr Opin Clin Nutr Metab Care* 1998;1:509-12.
- Reid IR. The roles of calcium and vitamin D in the prevention of osteoporosis. *Endocrinol Metab Clin North Am* 1998;27:389-98.
- Rico H, Gallego-Lago JL, Hernandez ER, et al. Effect of silicon supplement on osteopenia induced by ovariectomy in rats. *Calcif Tissue Int* 2000;66:53-5.
- Robinson BH. The role of manganese superoxide dismutase in health and disease. *J Inher Metab Dis* 1998;21:598-603.

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***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.**