TRANSFORMATION

TPP™ ADRENAL COMPLEX

The adrenal glands comprise the primary organ system for warding off the deleterious effects of every conceivable type of physical, emotional, and mental stress. Symptoms of insufficiently functioning adrenal glands include fatigue, allergic hypersensitivities, muscular weakness, hypotension, low blood sugar, and food cravings (for salt and for sweets). Millions of individuals suffer either from one or from a combination of several adrenal exhaustion symptoms, usually due to a mixture of severe stress and unbalanced dietary habits. The techniques of modifying stress, improving nutritional awareness, and supporting the adrenal glands with a balanced nutritional supplement are essential for regaining maximum glandular vitality.

The **TPP™ Adrenal Complex** formula is specifically designed to provide the body with all of the essential supportive and rebuilding factors that the adrenal glands need to respond to today's severe demands. It contains raw adrenal glandular concentrates that promote regeneration and it also contains herbs and nutrients that immediately enhance glandular function and hormone production in the adrenals.

SUPPLEMENT FACTS

Serving Size 1 Capsule

Amount Per Serving			% Daily Value
Vitamin C	65	mg	108%
Thiamine (as thiamine HCL)	10	mg	667%
Riboflavin (as riboflavin-5-phosphate)	5	mg	294%
Vitamin B_6 (as pyridoxal-5-phosphate)	4	mg	200%
Pantothenic acid (as calcium pantothenate)	15	mg	150%
Magnesium (as magnesium citrate)	5	mg	<2%
Zinc (as zinc citrate)	5	mg	33%
Potassium (as potassium citrate)	5	mg	<2%
Adrenal Substance	95	mg	*
Siberian Ginseng root	30	mg	*
Licorice root	15	mg	*
Tzyme™ Enzyme Blend (Protease, Glucoamylase, Pectinase, Peptidase, Phytase, alpha-Galactosidase, Cellulase, Hemicellulase)	70	mg	*

* Daily Value not established

Other ingredients: gelatin, water.

Tzyme™ is a trademark of a proprietary blend of highly active, pH balanced, GI tract stable and functional enzymes formulated to enhance the digestive process and impart systemic benefits.

Each bottle contains 60 capsules.

Recommended Dosage: Take one capsule two times daily with food or as directed by your health care practitioner.

SYNERGISTIC FORMULA: TPP™ Digest

POSSIBLE INDICATIONS FOR TPP™ ADRENAL COMPLEX INCLUDE:

Angina
Asthma
Autoimmune disease
Cancer
Cardiovascular disease
Common cold
Diabetes (Adult onset, Type II)
Depression
Fatigue
Headaches
Hypertension
Immune suppression
Irritable Bowel Syndrome
Menstrual irregularities
PMS
Rheumatoid Arthritis
Stress
Ulcerative Colitis
Ulcers

POSSIBLE CONTRAINDICATIONS FOR TPP™ ADRENAL COMPLEX INCLUDE:

Cushing's Syndrome – hydrocortisone
Insomnia – do not take this product before bedtime

FORMULATION RATIONALE:

Suprarenal substance: This pure glandular support from New Zealand for the adrenal cortex helps the adrenal gland produce the hormones essential to homeostasis, including mineralocorticoids, androgens, and glucocorticoids. *B.S.E. FREE*

Vitamin C (Ascorbic acid): Stress can lower the body's concentration of vitamin C which, in turn, may contribute to immune dysfunction. The antioxidant properties of this vitamin help strengthen and build integrity in immune function.

Magnesium (as Magnesium citrate): This important mineral is essential for enzyme activation, energy production, and activation of the sodium-potassium pump. The citrate form of magnesium is readily absorbable and leaves an alkaline ash residue.

Siberian Ginseng (root): The adaptogenic action of this herb helps increase mental activity and endurance, improve oxygen utilization, and enhance resistance to stress by supporting the adrenal-pituitary axis.

Licorice root (*Glycyrrhiza glabra*): The actions of this herb help reduce inflammation and inhibit cortisol breakdown. When used with ginseng, these herbs are excellent for combating the physiological components of stress.

Pantothenic acid (d-calcium pantothenate): This anti-stress B vitamin directly activates adrenal gland function and promotes energy production through Krebs Cycle regulation.

Zinc (as Zinc citrate): This trace mineral serves as an enzyme activation cofactor and free radical scavenger. The citrate form of zinc is readily absorbable and leaves an alkaline ash residue.

Potassium (as Potassium citrate): The principle intracellular cation is involved with carbohydrate and protein metabolism, water balance regulation, osmotic equilibrium, and the maintenance of acid-base integrity and balance. The citrate form of potassium is readily absorbable and leaves an alkaline ash residue.

Thiamine (HCl): This B vitamin is required by every cell in order to form ATP.

Pyridoxal 5-phosphate (Vitamin B_6): This master stress vitamin is a building block of hormones

Riboflavin 5-phosphate: This activates vitamin B_6 and helps convert carbohydrates into ATP.

Tzyme™ Protease Blend: This proprietary blend of protease aids in the lysis of the animal-based Suprarenal substance and also aids in extracting key components from plant-based herbal products. These enzymes hydrolyze free-floating proteins, which limits their destructive tendencies and allows for maximum absorption of all nutrients.

Tzyme™ Polysaccharolytic Blend: This proprietary blend of enzymes facilitates the digestion of all carbohydrates and ensures the absorption of minerals by preventing the chelating effects of phytates, pectinates, and oxalates.

Combating the physiological effects of stress necessitates utilizing a balanced formulation that will provide the body with all of the essential rebuilding and supportive factors that are necessary for successfully responding to and handling today's stressful demands. **TPP™ Adrenal Complex** provides these essential building blocks and thus help the body and its adrenal glands regain their maximum strength and peak vitality.

These statements have not been evaluated by the U.S. Food and Drug Administration.
These products are not intended to diagnose, treat, cure, or prevent any disease.

REFERENCES:

Seyle H, Stress in Health and Diseases. Buttersworth, London, UK, 1976.

Britton SW and Silvette H, Further experiments on cortico-adrenal extract: Its efficacy by mouth. Science 74, 440, 441, 1931.

Murray, M., Pizzorno, J., Encyclopedia of Natural Medicine, Revised 2nd edition Prima Health Publishing, Rocklin, CA., 1998, Abnormal response of the adrenal gland, 185-187

Murray, M., Pizzorno, J., Encyclopedia of Natural Medicine, Revised 2nd edition Prima Health Publishing, Rocklin, CA., 1998, Chronic Fatigue Syndrome and the adrenal gland, 366-367

Murray, M., Pizzorno, J., Encyclopedia of Natural Medicine, Revised 2nd edition Prima Health Publishing, Rocklin, CA., 1998, Description of the adrenal gland, 175-176

Guyton Textbook of Medical Physiology, 8th edition, Harcourt Brace, Philadelphia PA. 1991, Adrenal function, 842-843

Steinberg D., Sgan-Cohen H.D., Stalerholz A., et al. The Anticarcinogenic Activity Glycyrrhizin: Preliminary Clinical Traits PSR J., Dent Sci 1989:2:153-57

Soma R., Fheda M., Morise T. et al. Effects of Glycyrrhizin on Cortisol Metabolism in Humans Endocrine Regulation 1994:28:31:34

Spencer H., Norris C., Williams D. Inhibitory Effects of Zinc on Magnesium Balance and Magnesium Absorption in Man J. Coll Nutr 1994:13:479-84

Tomoda M., Hirabayashi K. et al. Characterization of Two Novel Polysaccharides Having Immunological Activities from Ginseng Biol Phar Bull 1993:16:1087-90

Prasad A. Discovery of Human Zinc Deficiency and Studies in an Experimental Human Model Am J Clin Nutri 1991:53:403-12

Bhat K.S. Nutritional Status of Thiamine, Riboflavin and Pyridoxine in Cataract Patients Nutr Rep Internat 1987:36:6:85-92

Vitamin B Gaby A.R., Literature Review and Commentary Townsend Letter for Doctor's and Patients June 1990: 338-39

Cheraskin E., Rigsdorf Wm., Medford R.H., Hicks B.S. The "Ideal" Daily Vitamin B_1 Intake. J Oral Med 1978:33:77-9

Fidannya A. Therapeutic Action of Pantothenic acid. Intl J. Vit Nutr Res 1983:24:53-67

Cheraskin E, Vitamin C–Who Needs It? Arlington Press, Birminham, AL, 1993.

Levine M, New Concepts in The Biology and Biochemistry of Ascorbic acid. New Engl J Med 314, 892-902, 1986.

Bendich A, Vitamin C and Immune Responses. Food Technol 41, 112-114, 1987.

Lam SCT, Harfenist EJ, Packham MA, et al., Investigation of Possible Mechanisms of Pyridoxal 5'-Phosphate Inhibition of Platelet Reactions. Thrombosis Res 20, 633-645, 1980.

Fry PC, et al., Metabolic Response to a Pantothenic Acid Deficient Diet in Humans. J Nutr Sci Vitaminol 22, 339-346, 1976.

Lindberg JS, et al., Magnesium Bioavailability from Magnesium Citrate and Magnesium Oxide. J Am Coll Nutr 9, 48-55, 1990.

Bohmer T, et al., Bioavailability of Oral Magnesium Supplementation in Female Students Evaluated from Elimination of Magnesium in 24-Hour Urine. Magnes TraceElem 9, 272-278, 1990.

McLean RM, Magnesium and its Therapeutic Uses: A review. Am J Med 96, 63-76, 1994.

Limura O, et al., Studies on the Hypotensive Effect of High Potassium Intake in Patients with Essential Hypertension. Clin Sci 61 (Suppl. 7), S77-S80, 1981.

MacGregor SA, et al., Moderate Potassium Supplementation in Essential Hypertension. Lancet ii, 567-570, 1982.

Kaplan NM, Potassium Supplementation in Hypertensive Patients with Diuretic-Induced Hypokalemia. New Engl J Med 312, 746-749, 1985.