

Where Science and Nature Come Together.®

FOODSCIENCE[®]
of Vermont

DL-Phenylalanine

- **DL-Phenylalanine is an amino acid supplement to support comfort and mood balance.***
- **DL-Phenylalanine** (DLPA) contains both the essential amino acid L-phenylalanine and D-phenylalanine. Studies have shown that L-phenylalanine can elevate the mood, making DLPA a useful agent in combating low mood states.* DLPA can also be used for those with chronic discomfort since it supports the body's natural pain-killing response.*
- DLPA supports and may prolong the body's own natural pain killing response.* The brain responds to pain signals by producing and activating morphine like hormones called **ENDORPHINS**. The **ENDORPHIN** system is responsible for the loss of pain sensation.
- **Discomfort**
DL-Phenylalanine may inhibit enzymes which are responsible for the destruction of the body's pain killing hormones.* When these enzymes are inhibited, the brain's own naturally produced endorphins have a longer life span and exert comfort promoting actions for long periods.*
- **Low Mood States**
DLPA supports the production of PEA (Phenylethylamine).* PEA is a neurotransmitter type substance, which bears a close structural resemblance to the stimulant drug Amphetamine. A deficiency in PEA in the nervous system is thought to cause low mood states.*

DLPA supports proper endorphine levels.* Phenylalanine's have the ability to inhibit enzymes which break down the endorphin hormones. Endorphin is a hormone-like substance whose presence may account for the euphoria experienced by runners, joggers, etc. Endorphin levels in the brain can be critical in mood regulation.

DLPA supports norepinephrine production.* Phenylalanine converts to the neurotransmitter Norepinephrine. Norepinephrine was the first brain chemical deficiency believed to be involved with severe low mood states. Most anti-depressant drugs are designed to increase the amount of Norepinephrine in the central nervous system, but by very different means.

Supplement Facts

Serving Size: 1 Capsule

Amount Per Serving:

DL-Phenylalanine 750 mg

Other ingredients: vegetable cellulose, vegetable stearate, silicon dioxide.

Warning: Individuals with PKU (phenylketonuria) or who are pregnant or nursing should not use this product.

- **Suggested Use:** As a dietary supplement, take 1 capsule with a meal.

Sold Exclusively Through Retailers.

0300288.060 (60 Capsules)

*This statement has not been evaluated by the Food and Drug Administration. This product is not intended to diagnose, treat, cure or prevent any disease.

Copyright© 2009 by FoodScience® of Vermont. All rights reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, without prior written permission of the copyright owner.

1-800-874-9444 • www.foodscienceofvermont.com