



**Research Initiative: Demonstration of a lack of phenylalanine presence in the VIBE JUNIOR Nutraceutical**

2006

To Whom It May Concern:

Eniva Nutraceuticals takes great pride and care in the formulation and manufacturing of its wellness products. Eniva is dedicated to producing nutraceuticals that are safe, quality-driven and effective. To do so, we subject our products and the product development process to serious review and rigorous testing.

In this specific report, an independent pharmaceutical laboratory has tested the Eniva **VIBE JUNIOR** Nutraceutical for phenylalanine, a naturally occurring and essential amino acid. VIBE JUNIOR is a Nutraceutical that is specifically designed for children.

As demonstrated by the test results enclosed from a third party laboratory,

**VIBE JUNIOR DOES NOT CONTAIN PHENYLALANINE.**

Although phenylalanine is a naturally occurring amino acid and essential to health, in rare instances, children may have a deficiency in an enzyme to process phenylalanine and must avoid it in their diet. If not avoided, severe health consequences can arise. Please see the below information from the University of Maryland Medical Center to learn more about phenylalanine and the associated enzyme deficiency:

Phenylalanine is an essential amino acid, which means that it is essential to human health, but cannot be manufactured by the body. For this reason, phenylalanine must be obtained from food. Amino acids are the building blocks of protein. It is available in three chemical forms: (1) L-phenylalanine, the natural form of phenylalanine found in proteins throughout the body; (2) D-phenylalanine, a mirror image of L-phenylalanine that is synthesized in a laboratory; and (3) DL-phenylalanine, a combination of the previous two forms.

The body converts phenylalanine into tyrosine, another amino acid essential for making proteins, certain brain chemicals, and thyroid hormones. Symptoms of phenylalanine deficiency include confusion, lack of energy, decreased alertness, decreased memory, and diminished appetite.

On the other hand, a rare metabolic disorder called phenylketonuria (PKU) occurs in people who are missing an enzyme that is needed to properly metabolize phenylalanine. Symptoms of PKU, which tend to appear between three and six months of age, include eczema, developmental delay, an abnormally small head, and hyperactivity. If it is not treated before three weeks of age, PKU can cause severe, irreversible mental retardation. In the United States, newborns are tested for PKU during the first 48 to 72 hours of life.

People with PKU must eat a phenylalanine-restricted, tyrosine-supplemented diet to have optimum brain development and growth. Rarely, over-restriction of phenylalanine in the diet can lead to deficiency of this amino acid, with the same symptoms described above.

Due to the potential for certain children to have difficulty in processing the amino acid phenylalanine, the ENIVA VIBE JUNIOR Nutraceutical has been formulated with specific intention to not include this amino acid.

Respectfully,

Eniva Research Group



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F I N A L R E P O R T

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Customer ID: 20501206

Medallion Labs ID: 2006007408

Sample Description: Liquid Supplement, Vibe Junior - 20501206, PKA 3959

Test Description	Results	Units	Estimate
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Phenylalanine	0.00	%	

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