

mens sana in corpore sano

KEEPS YOU ON AN EVEN KEEL

What is Biaminoée® ?

Biaminoée® is a high-grade biological food supplement whose active ingredients comprise the full range of amino acids, vitamins and minerals. Many families and athletes today regard it as perfectly natural to take a food supplement. However, the choice of supplement has everything to do with the information we are given on these substances and their effectiveness.

Why Biaminoée® ?

Biaminoée® comes under the category of adaptogens - a collective name used for a group of substances enabling the body to adapt better to stressful circumstances.

More than ever before, we are exposed to a variety of stressful situations on a daily basis. Examples are noise, radiation, tension in the professional or personal sphere, the necessity to process vast quantities of information, jet-lag or changes in weather conditions : stress factors, every single one of them, whose impact can be exacerbated by the wrong choice of diet.

By combining a range of active ingredients used in their original form, Biaminoée® protects the body against the harmful influences of these stress factors. The body thus becomes considerably more capable of combating these influences. This is what Uneaminoée and Biaminoée® adaptogenic effect is all about. This targeted effect and the combination of active ingredients set Biaminoée® apart from most other food supplements.

What does Biaminoée® do ?

Biaminoée® enable the body to cancel out the negative influence caused by these stress factors. The rate of cellular and tissue renewal is enhanced thanks to the accelerated synthesis of body proteins. The result ?

- Recovery from imbalance
- Combating of fatigue
- Protection of the liver
- Counteracting of depression
- Counteracting of cellular ageing
- Enhancement of activity level
- Improvement of stress resistance
- Constructive effect
- Improvement of immune system
- Easier recovery from injury, improved tissue recovery
- Lessening of jet lag
- Heightening of the powers of concentration
- Improvement of the metabolism by boosting the nitrogen balance
- Promotion of the synthesis of body proteins

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DAGON PRODUCTS bvba, Ganzendries 26 - 9420 Erpe Mere - Belgium - E-mail: dagon@skynet.be - VAT: BE 0894 487 973



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Biaminoée® target groups/application.

- Those whose duties do not require them to make physically strenuous efforts.
- The perfect helper for those whose duties require them to concentrate for lengthy periods of time
- Encourages an improved daily rhythm and boosts energy levels
- Supports the immune system
- For those suffering injuries, helps the tissue to recover
- In excessively stressful circumstances

Biaminoée®

- Those whose duties require them to make physically strenuous efforts, including athletes
- In support of power-lifting and/or fitness training
- Gives you the performing edge by enabling full recovery
- As a cell cure, for the renewal of cellular matter, especially of high-performance organs such as the brain, the heart, the muscles and the skin.
- Those whose duties do not require them to make physically strenuous efforts.
- The perfect helper for those whose duties require them to concentrate for lengthy periods of time
- Encourages an improved daily rhythm and boosts energy levels
- Supports the immune system
- For those suffering injuries, helps the tissue to recover
- In excessively stressful circumstances

Biaminoée® is a perfect food supplement because it works.

Biaminoée® has been approved by the Dutch Ministry of Health as a food supplement.

IRON DEFICIENCY ?

USE A RICH SOURCE OF ORGANIC IRON !

Biaminoée®

Biologically High-value protein concentrate

APB 1127-034

An adult man or woman needs 10 respectively 15 mg. of iron a day. So it is important to refresh some elementary concepts concerning nutritional iron.

A distinction has to be made between two main categories of iron : haemin iron and non-haemin iron.

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Haemin iron

This kind of iron forms a compound with haemoglobin or myoglobin. It can be found in red meat. Liver contains approximately 8 mg. per 100g. Red meat in the form of muscular meat contains 3 mg. per 100g. White meat like veal or poultry contains 1 to 2 mg. per 100g. Fish contains about 2 mg. per 100g.

The advantage of haemin iron is that it penetrates much easier through the intestinal mucosa than non-haemin iron does.

In order to be assimilated haemin iron does not need to be separated from the protein molecule. Even in cases of achlorhydria or achulia it is assimilated by the blood. Approximately 20% of this haemin iron can be used by the organism.

Non-haemin iron

This kind of iron does not form a compound with haemoglobin or myoglobin. It is mainly found in certain pulses : 6 mg. per 100g., in spinach: 3 to 5 mg. per 100g., in bread: 1 to 3 mg. per 100g., for white or wholemeal bread respectively. In eggs: 3 mg. per 100g. in the whole egg and 7 mg. per 100g. in the yolk.

Some chocolates contain up to 4mg. per 100g. Milk and dairy products contain little iron, i.e. 1 mg. per 100g.

It is hard for iron to penetrate the intestinal mucosa. It has to be ionized, which happens in the stomach and the first part of the duodenum due to the acid environment.

No more than approximately 10% of the iron can be released and in the case of achlorhydria it is not released at all. Then it has to be reduced to bivalent iron, which happens under the influence of the acidity and the reducing effect of the environment.

Only the ferro-ion penetrates the intestinal mucosa.

This means :

- that in case of achlorhydria iron is not reduced to a bivalent ion.
- that iron can penetrate through the intestinal mucosa into a small part of the gastrointestinal tract.

Moreover various nutritional components can form irreversible compounds with iron, thus making it useless. This is true e.g. for phytin acid, present in brans or wholemeal bread, and for oxalic acid, present in spinach and sorrel. All in all the organism uses only 4% of the non-haemin iron from nutrition.

This product contains 260 mg. haemin iron per 100g.

As a nutritional supplement it is ideally suited for each form of sideropenic anaemia. As shown in the foregoing, there is an enormous difference in resorption possibilities of administered iron. Therefore all attention should focus on the use of haemin iron.

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If however that kind of iron is mainly found in meat, too many saturated fats will be digested too. The same applies to the use of black pudding.

So iron deficiency, which is frequently found in adolescents, is an indication to take a small amount of Biaminoée® every day. This is all the more true as a masked iron deficiency can affect both physical and intellectual performance. Iron deficiency also decreases resistance to colds and infections.

When talking about iron deficiency one should not forget the elderly, who suffer from this more often, resulting in a number of syndromes.

Sporting performances require a bigger iron consumption. So the reserves have to be daily replenished, cfr. iron deficiency in pasta-eaters.

Dosage

- In **severe cases** of sideropenic anaemia we recommend using at least 10 Biaminoée® tablets a day.
- In **less severe cases** 6 tablets a day suffice. Duration varies from 3 to 9 months.
- In **persistent cases** of iron deficiency we also recommended a simultaneous, prolonged intake of Vitamin C.

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Biaminoée®

Ingredients:

Leucine, Alanine, Phenylalanine, Lysine, Valine, Glutamin – Glutamic A., Asparagin - Aspartic A., Histidine, Threonine, Serine, Tryptophane, Proline, Glycine, Thyrosine, Arginine, Methionine, Cysteine, Isoleucine, Iron (organic), Carnitine, Ornithine.

<u>Ingredients</u>	<u>500 mg (cap./tab.)</u>	<u>/g (cap./tab.)</u>	<u>/100 g</u>
Leucine	57,050 mg	114,100 mg	11,410 g
Alanine	48,200 mg	96,400 mg	9,640 g
Phenylalanine	44,100 mg	88,200 mg	8,820 g
Lysine	41,050 mg	82,100 mg	8,210 g
Valine	40,550 mg	81,100 mg	8,110 g
Glutamin – Glutamic A.	34,950 mg	69,900 mg	6,990 g
Asparagin - Aspartic A.	31,150 mg	62,300 mg	6,230 g
Histidine	25,650 mg	51,300 mg	5,130 g
Threonine	25,550 mg	50,100 mg	5,010 g
Serine	24,950 mg	59,900 mg	5,990 g
Proline	22,250 mg	44,500 mg	4,450 g
Tryptophane	21,500 mg	43,000 mg	4,300 g
Glycine	19,450 mg	38,900 mg	3,890 g
Thyrosine	18,100 mg	36,200 mg	3,620 g
Arginine	17,350 mg	34,700 mg	3,470 g
Methionine	8,050 mg	16,100 mg	1,610 g
Cysteine	5,450 mg	10,900 mg	1,090 g
Isoleucine	1,450 mg	2,900 mg	0,290 g
Iron (organic)	1,115 mg	2,230 mg	0,023 g
Carnitine	2,400 µg	4,800 µg	0,048 mg
Ornithine	0,200 µg	0,400 µg	0,040 mg

<u>Nutritional analysis</u>	<u>/500 mg (cap./tab.)</u>	<u>/g (cap./tab.)</u>	<u>/100 g</u>
Energy (kcal)	1,97	3,94	394
(kJ)	8,27	16,55	1655
Protein	0,48 g	0,97 g	97,36 g
Carbohydrates	0,00 g	0,00 g	0,01 g
Fat	0,00 g	0,00 g	0,50 g

Biaminoée® (scientific name)

1 cap - 500 mg. Biaminoée®

1 tablet - 1000 mg Biaminoée®

Dosage : 4 till 6 caps a day

Storage: Cool (< 25°C), dry (< 65% RH) and clean.

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Biaminoée®

Composition and analyses

DAGON PRODUCTS bvba manufacturer of natural food supplements - **Biaminoée®**

Formulating composition of the preparation

product:	Biaminoée® fine brown powder with org. iron
analysis:	Centresimal and quantitaf composition proteins 92,50 g% method Kjeldahl carbohydrates 0,01 g% lipids 0,5 g% method extraction with methanol chloroform
analysis:	study of toxic mineral agents cadmium Cd no trace mercure Hg no trace lead Pb no trace arsenic-inorganic As no trace zinc Zn 75mg/% (microgram/%) selenium Sn 0,5mg% copper Cu 70mg/%
analysis:	traces of pesticides method - screening on polyvalent and multi residual basis
results:	1. organo - phosphoric agents : no trace 2. organo - chloric agents: no trace
sensibility:	1. organo - phosphoric A. > 0,02 mg/kg 2. organo - chloric A. > 0,01 mg/kg Dosage of nitrates - nitrites no trace non detectable
analysis:	tryptophane - quantification method - Denkla and Dewey results: 2 g./ 100 g. Biaminoée®

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