

Products manufactured by “Floris” company is well-known at the pharmaceutical market of Israel, Middle East countries, USA, Hungary, Romania, Cyprus, Slovakia, Turkey, Bulgaria and Germany. During the last years it occupies new markets in such European countries as France, Italy and Russia.

All the products are made on the basis of high quality natural ingredients of plant, animal and mineral origin. Special drug lines for women, men and children are developed taking their age and physiological features into consideration. Vitamin and mineral complexes, remedies for immune system strengthening, drugs for prophylaxis and treatment of respiratory diseases, correction of functions of nervous, cardio-vascular, endocrine and digestive systems as well as cosmetics are of a great demand.

All products are hypoallergic, non-toxic and comply with cosher demands.

New technologies and modern science achievements for drugs, diet supplements and cosmetic products manufacture are applied. That provides competitiveness of “Floris” products at the world pharmaceutical market.

AMINOACID COMPOSITION OF THE POWDER FROM THE STEM CORE PULP OF HOODIA GORDONII

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Hoodia gordonii (family Asclepiadaceae) is a plant growing in deserts of South-Western Africa and Angola.

According to the results of experiments conducted on rats it was shown that *Hoodia gordonii*'s extract suppresses appetite that leads to body weight loss. Later research on volunteers showed the positive trend for a weight loss without side

effects. Moreover, the anorexigenic mechanism of hoodia's extract was studied. This research became a base for administration of remedies from Hoodia gordonii cactus for appetite decrease and treatment of metabolic disorders connected with obesity.

Aminoacids are important compounds for normal vital activity of all living organisms. Aminoacids are used in medical practice for treatment of different disorders. That is why in-depth understanding of connection between chemical structure and possibility of its application was an important point. That was also the reason for study of qualitative and quantitative content of aminoacids of the powder from the stem core pulp of Hoodia Gordonii.

Table

**Aminoacid composition of the powder from the stem core pulp
of Hoodia Gordonii**

№	Name of aminoacid	Content, g/100g
1.	Phenylalanine	7.90
2.	Lysine	2.30
3.	Threonine	3.15
4.	Valine	7.05
5.	Methionine	8.10
6.	Isoleucine	5.55
7.	Leucine	6.40
8.	Histidine	8.55
9.	Aspartic acid	16.85
10.	Serine	5.30
11.	Glutamic acid	21.45
12.	Proline	8.10
13.	Glycine	4.00
14.	Alanine	5.25
15.	Tyrosine	11.75
16.	Arginine	41.15

Arginine, glutamic acid, aspartic acid, tyrosine dominated in Hoodia gordonii's powder. It should be also mentioned, that methionine and histidine are also found in high amount.

Glutamic acid increases metabolism and detoxifies ammonia. Aspartic acid takes part in proteometabolism.

Histidine increases secretion and motility of gastrointestinal tract as well as normalizes lipoprotein metabolism.

High arginine content in *Hoodia gordonii*'s powder contributes in ammonia detoxification, increases glycogen level in liver during starvation as well as increases insulin level in blood.

Methionine shows lipotropic effect, has an ability to eliminate the excess fat from liver cells.

To make a conclusion, it should be mentioned that aminoacids directly take part in pharmacological action formation of the powder from the stem core pulp of *Hoodia gordonii* that is used as source for remedies used for overweight correction.

IDENTIFICATION OF SULFUR-CONTAINING COMPOUNDS IN THE TYFON LEAF

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Tyfon (*Brassica campestris f. biennis* DC. × *B. rapa* L.) is a forage crop of the *Brassicaceae* family which is used for extending grazing season for lambs and cows. It is used in Ukraine as an additive in the diet of high-productive cows. The studies of the impact of tyfon on the animal organism showed the positive influence of this crop on the weight gain by cows. Therefore, this crop attracts much attention of the veterinary specialists due to its pharmacological properties. In order to prove positive effect of tyfon on the weight gain in domestic animals (especially in cattle), we carry out a complex study of the biologically active components of this crop.