



PERSIA FAT

Persia Fat

*Rumen Protected Fat Powder
for livestock*

Knowledge-based cooperative company

Kimia Danesh Alvand





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"Kimia Danesh Alvand" is a cooperative and knowledge-based firm that integrates academic research with the industry sector in the field of livestock and poultry sciences to satisfy the demands of the country's livestock and poultry sectors, resulting in the industry growing and developing in 2011.

Members of this company are young and motivated professors and graduates of the University of Tehran and the Iranian Institute of Chemistry and Chemical Engineering with sufficient knowledge and experience, as well as a deep bond to the industry, to achieve the stated goals.

Knowledge-based cooperative company **Kimia Danesh Alvand**



WITH
U N I Q U E FEATURES



Initially, the company was successful in introducing and manufacturing a new generation of high quality protected fat powder under the brand Persiafat. It has since succeeded in producing a wide variety of fat powders to be used in animal, poultry, and aquatic feed. This complex is currently the country's largest and most specialized manufacturer of fat powders and oils for livestock and poultry, aquatic animals, and pets.

Calcium Persia Fat is a Rumen Protected Fat Powder based on calcium salt supplements.

High quality blend of both animal and vegetable oils are used in order to maintain the correct balance of fatty acids in animal nutrition. This balance of fatty acids is important to the cow's milk quality as well as the livestock reproduction.

Persia Fat is abundant with unsaturated fatty acids with multiple double bonds (PUFA) which have a great impact on livestock reproduction.



Calcium Persia Fat powder

PERSIAFAT

PROTECTED FAT POWDER

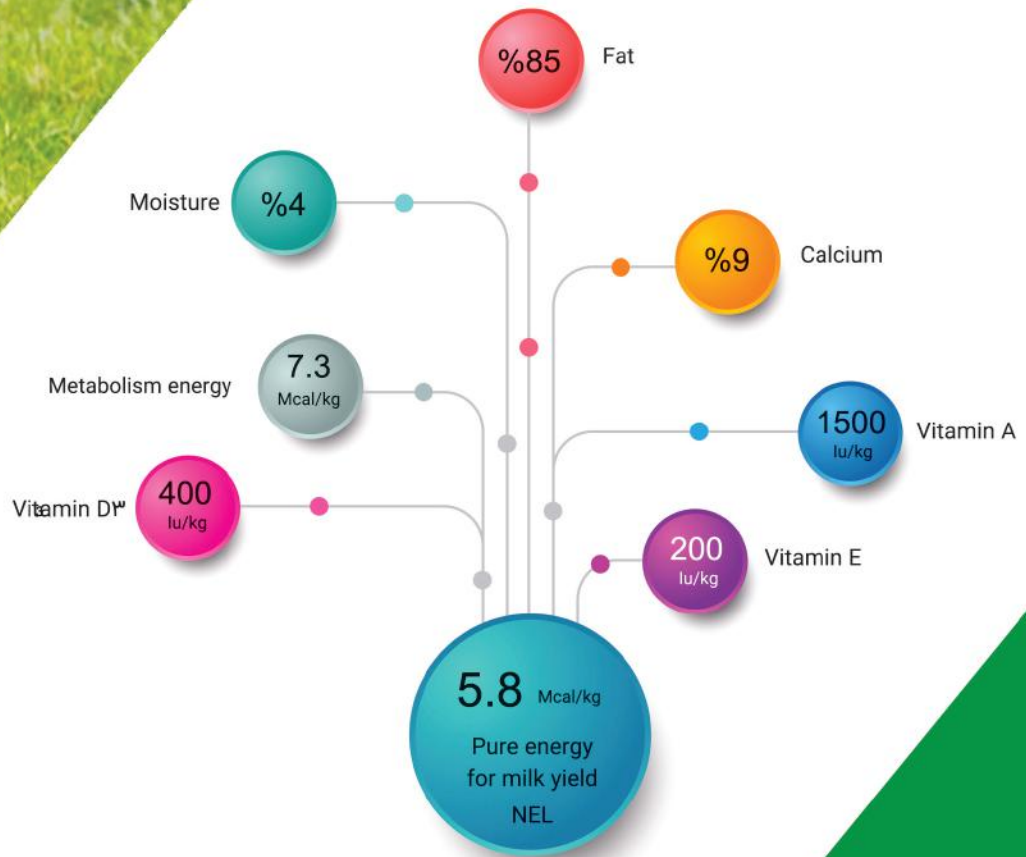
These fat powders are being produced in an optimized method that remain insoluble at lower rumen PH.

Therefore, they will be protected from microbial fermentation and bio hydrogenation and passes through the rumen without affecting the rumen bacteria or fiber digestion, then it will be released for digestion inside the small intestine.

- Rich source of essential fatty acids with multiple unsaturated double bonds (PUFA).
- High amount of fat-soluble vitamins (A, D3, E)
- Improves digestibility
- Increases energy uptake (Nel=5.8 Mcal/kg)
- Product stability in quality and composition
- No effect on the rumen.
- No bacteria or harmful microorganisms
- Ease of mixing with fodder due to the granular state of the product.
- Ease of transport and storage with no risk of oxidation
- No dust and odor
- Aromatic (Vanilla, Caramel, ...)

Why Persiafat is better ?

PERSIA FAT
PROTECTED FAT POWDER

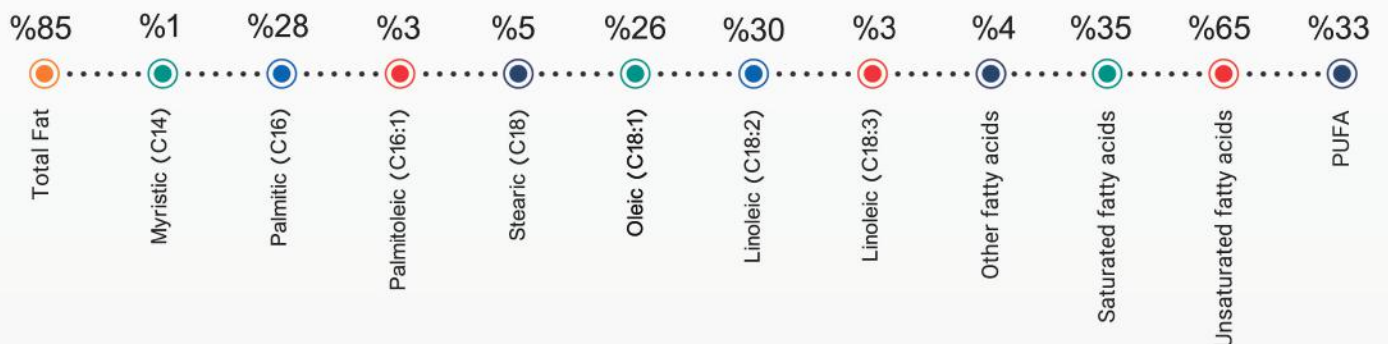


Composition & nutrient value

- Alleviating heat stress of livestock
- Improving the livestock general health and reproduction.
- Providing the energy needed to achieve the maximum growth rate of livestock
- Maintains the body condition score after childbirth and peak milk.
- Decreases negative energy balance in first-calf heifers due to the high energy concentration of their milk.

What are the positive effects of
Persia Fat powder
 on livestock?

Fatty Acid Profiles





سازمان صحت و تندرستی پاکستان

Products health license: ۲۵۱۲۲۴



تولید و بازاریابی دام

Packed in
Insulated bags
kg ۲۵

The amount of fat consumption

Usage (Grams per day for each animal)	Livestock Type
100 - 250	Cows and heifers
300 - 600	First-calf heifers
400 - 1000	high-production cows
200 - 500	Medium- production cows
100 - 400	Fattening calves
20 - 50	Sheep and goats
50 - 100	Stallion

Effects of using PUFA fat powders (like PersiaFat) Vs fat powders based on Palm oil on pregnancy rate and milk yield of Cattle.



* Juchem ea al, Reproduction Domestic Animal 2010
 ** Silvestre et al, Journal of Dairy Science 2011

* Reis et al, Journal of Dairy Science 2012
 ** Santos et al, University of Florida 2011