

**Rumen Bypass Palm Fat Powder Palmitic Acid
(PARS PALMOFAT)**



PARS FAT

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PARS FAT

Nakhl Zeitoun Azaran and Pars Pak Kimiya's Holding for the first time in Iran produces and markets Pars PALMOFAT (Palmitic Acid) fat powder. PALMOFAT is produced based on the extraction of fatty acids of palm oil in the gas phase using the best technology in the world (Fractional Distillation). This type of fat powder contains more than 75% Palmitic acid and well meets the technical needs of dairy and fattening livestock diets.

Domestic and imported fat powders are mainly based on triglycerides, which in terms of ester bond, it is not possible to separate and concentrate Tripalmitin more than 50-60%. However, in fatty acid-based fat powders, by breaking the ester bond in the hydrolysis unit under pressure 30 times at 230 ° C and releasing fatty acids, extraction based on carbon chain length and molecular mass in the vapor phase is possible. Design and construction of fatty acid refinery and production of products with Palmitic above 80%, especially for the livestock industry, is one of the honors of Nakhl Zeitoun Azaran and Pars Pak Kimiya's Holding.



Benefits of using Palmitic acid at least 75%:

- Improve milk production of lactating cows in the range of 200 to 800 grams
- Provide energy needed for puerperal and high-producing cows
- Avoid severe negative energy balance in dairy cows
- Maintain and control the body score (BCS) of lactescent cows
- Improving the reproductive function of lactescent cows (precursor of sex hormones)
- Control and maintain the milk fat percentage of lactescent cows

Specifications of Pars PALMOFAT (fat powder based on Palmitic fatty acid)

Color	white
Purity	Max 99.5%
Metabolizable energy (Kcal/kg)	9000-9200
Pure breastfeeding energy (Mcal/kg)	5.7-5.9
Melting point	54-57
Appearance	Granule or flake

Fatty acid composition %

Palmitic acid	75-90
Stearic acid	10-20
Oleic acid and etc.	2-5

Packing

Composite three-layer bags (25 kg)