

Product information

Product name	AkoFeed Cattle 45 - Vegetable feed fat
Raw material	Vegetable raw fatty acids from oil production.
Production	AkoFeed Cattle 45 is mixed with various vegetable fatty acids, according to a specific recipe.
Appearance	AkoFeed Cattle 45 is brown in colour, with a pleasant smell. It is solid at room temperature.
Application	<p>AkoFeed Cattle 45 is used as <u>fat</u> in feed mixtures for food producing animals as ruminants, swine and horses.</p> <p>Being rich in the saturated fatty acids C16:0, C18:0 and C18:1 - a total content of some 90% - it is especially suitable in feed mixtures for cows.</p>
Shelf-life	AkoFeed Cattle 45 is best stored at 55°C, and then it has a shelf-life of 3 month.
Handling	<p>AkoFeed Cattle 45 is somewhat corrosive. Storage containers and equipment in contact with the product should thus be made of stainless materials. At a temperature of 55°C AkoFeed Cattle 45 is pumpable, having a viscosity of 15 cp.</p> <p>The best absorption is achieved when the fat's temperature is raised to some 80°C before added to the feed mixture. Some smoke development may occur around 100°C, and at temperatures exceeding 200°C AkoFeed Cattle 45 is prone to catch fire.</p> <p>Spillage into the insulation of the storage container may cause spontaneous combustion. Valves should be installed so as to eliminate the risk for leakage into any insulating material. For that very same reason, the contact flange must <u>always</u> be located outside any insulation. Use nothing but all-welded piping and avoid threaded couplings.</p> <p>Please feel free to contact us when you are installing new tanks or pipings - we are happy to assist.</p>
Mode of delivery	AkoFeed Cattle 45 is delivered in bulk.
Price	According to current price list.

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Specifications for AkoFeed Cattle 45

- Vegetable feed fat

Water (%)	Max	1
Impurities	Max	0,5
Unsaponifiable matter (%)	Max	2,5
Free fatty acids (%)	Max	90
Iodine value	Approx	50
Peroxide value	Max	8
Melting point (°C)	Approx	44
Added antioxidant Paradigmox White (ppm)	Min	100
Nickel content (ppm)	Max	10
NEM (%) (glycerol-correlated, non-elutable material)	Max	10

Fatty acids

C12:0 Lauric acid (%)		2
C14:0 Myristic acid (%)		1,5
C16:0 Palmitic acid (%)		45
C18:0 Stearic acid (%)		5
C18:1 Oleic acid (%)		37
C18:2 Linoleic acid (%)		8,5
C18:3 Linolenic acid (%)		<1
C20-C24 (%)	Max	1
C22:5 (%)		<0,1
C22:6 (%)		<0,1
Trans acids (%)		<1
Total Fatty acids (g)		970

Nutritional value

Energy, kg (MJ) ¹⁾	
Ruminants	32,0
Swine	35,0
Horses	36,0

1) According to the Swedish Board of Agriculture SJVFS 2009:20