

**PRODUCT INFO
& DATASHEET**

SICOLAC EXTRA

Superior whey based complete calfmilkreplacer

(Protein 21.5% - Fat 17% - Ash 10%)

Revised 08/2016

1. PRODUCT DESCRIPTION

SICOLAC EXTRA is a whey based water soluble complete milkreplacer. The product contains dairy ingredients and well selected high quality vegetable proteins.

2. PRODUCT SPECIFICATIONS

a) Analysis

Protein	21.5	%
Fat	17.0	%
Ash	10.0	%
Fibre	0.85	%
Humidity	4.0	%
Lactose	37.5	%
pH value	5.5-5.8	
Lactic acid	1.5	%
Lysine	1.6-1.75	%
Methionine	0.40-0.45	%
Threonine	0.90-1.00	%

b) Vitamins

Vitamin A	25,000	IU
Vitamin D	4,500	IU
Vitamin E	100	mg
Vitamin C	100	mg
Vitamin B1	5	mg
Vitamin B2	5	mg
Vitamin B6	5	mg
Vitamin B12	50	µg
Vitamin K	2.5	mg
Folic Acid	1.0	mg
Panthothenic acid	20	mg
Niacin	40	mg

c) Trace elements

Iron	125	mg
Zinc	100	mg
Manganese	40	mg
Copper	10	mg
Iodine	1.3	mg
Selenium	0.3	mg

d) Antioxidant

BHT	25	ppm
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e) Composition

Whey powder, soya concentrate, vegetable oils (palm/coconut 80/20), wheat protein concentrate (Hydrolyzed), wheat concentrate, premix.

f) Microbiological figures

Bacillus licheniformis	CFU/kg	0.64 x 10 ⁹
Bacillus subtilis	CFU/kg	0.64 x 10 ⁹
Enterococcus Faecium	CFU/kg	2.50 x 10 ⁹
Total bacterial count	CFU/kg	3.78 x 10 ⁹

3. ADVANTAGES & BENEFITS

* **Lower fat than in milk.** When too much fat is offered to calves, the digestibility drops and diarrhoea can occur. This gives a lower energy intake and has a negative effect on the health status and growth of the animal.

The digestion of the fat level in **SICOLAC EXTRA** is without any problems.

* **Vitamins.** Vitamins are important for the growth of calves. Vitamin A for instance plays a role in the prevention of blindness and in maintaining the integrity of epithelial cells and thus in increasing the resistance of calves for infection.

Adequate vitamin D is necessary for proper calcification of the bones, and vitamin E is required to prevent nutritional myopathy (white-muscle disease). All these vitamins are present in **SICOLAC EXTRA** at levels which fulfil the requirements.

* **Amino acids pattern.** **SICOLAC EXTRA** provides the necessary amount of essential amino acids to fulfil the animal's needs.

Important is the ratio of tryptophane, threonine, cystine + methionine to lysine. **SICOLAC EXTRA** contains enough amino acids in order to ensure the growing capacities of the animal.

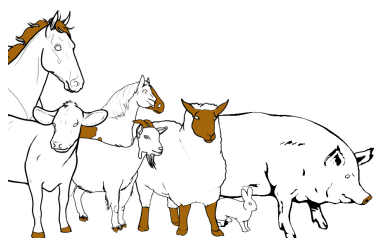
* **Vegetable proteins.** The vegetable raw materials used in **SICOLAC EXTRA** are strictly tested to check the digestion and physical parameters as solubility, etc. Many trials are done at various research facilities with calves. Valuable information was found on the effect of these raw materials. After approval they can be used in the formulation of our milkreplacer range.

* **Sicozym-E.** **SICOLAC EXTRA** is produced with Sicozym-E, a special technology that replaces the need for antimicrobial growth promoters. Sicozym-E is developed after years of extensive research. Sicozym-E combines natural antibacterial short chained and medium chained fatty acids, a higher and faster protein digestibility and the addition of nutritional emulsifiers to increase the solubility and digestibility of the fats. These steps lower the fermentation in the hind gut and decrease the pressure of pathogenic bacteria. This results in a better animal performance and health status.

Any information in this publication is believed to be accurate and is given in good faith, but is for the customer to satisfy himself of the suitability for his own particular purpose. No representation, warranty or guarantee is made to its accuracy, reliability or completeness.

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SICO FEEDS
EVERY TIME THE *right* SOLUTION



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4. USE & FEEDING RECOMMENDATIONS

CALF MANAGEMENT

- Triple "A" rule: give high quality colostrum
 - 1) as soon as possible
 - 2) as much as possible
 - 3) as often as possible
- The optimal drinking temperature is 39°C. Check this carefully. To prepare the milk, advised is to dissolve the powder first in 2/3 of the amount of water at 50-60°C. Then add the remaining water at room temperature until the drinking temperature of 39°C is reached.
- Hygiene is crucial: clean any materials that come in contact with the milk thoroughly.
- Give concentrate from Day 7 onwards. Give in small amounts and no more than is consumed. Change the feed regularly. Calves can be weaned when they eat > 1.5 kg of concentrate per day.
- Regularly check the color and solidity of the calves' dung.
- Ensure that the calves have enough fresh hay and fresh drinking water at their disposal from the age of two weeks.
 - Mixing ratio : 145 g to 1 l drinking water
 - Mixing advice : Drinking temp. 39 °C – 1 kg of milk powder in 7 l water gives 8 l milk.

Age	COLOSTRUM	
	L / feeding	Feedings / day
day 1	In abundance	In abundance
day 2-3	1.5	4
	SICOLAC PLUS	
	L / feeding	Feedings / day
day 4-12	2	2
day 13-14	2.5*	2
	SICOLAC EXTRA	
	L / feeding	Feedings / day
week 3	2.5	2
week 4	3	2
week 5	3	2
week 6	3	2
week 7	3	2
week 8	2.5	2
week 9	2	2
week 10	1.5	2

* 50% SICOLAC PLUS + 50% SICOLAC EXTRA

- Our feeding schedule is a good guideline, but some calves might need special attention (The amount of milk should be adjusted to the needs of the calves).
- As a general rule, calves need to drink 10% of their bodyweight (e.g. a calf of 40 kg needs 4 L/day).

5. STORAGE

- Avoid storing **SICOLAC EXTRA** in warm conditions.
- Always keep the product away from direct exposure to sunlight.
- Never store in moist places.
- Secure stockroom against all possible breeding ground of insects.
- Ensure storage area is clean at all times

6. PACKING

25 kg net multiply paper bag

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