

**PRODUCT INFO
& DATASHEET**

SICOLAC WHITE

Whey based complete calfmilkreplacer (Protein 22% - Fat 16% - Ash 7.5%)

Revised 08/2016

1. PRODUCT DESCRIPTION

SICOLAC WHITE is a whey based water soluble complete milkreplacer. The product combines dairy ingredients and well selected high quality vegetable nutrients. **SICOLAC WHITE** can be used for calves in combination with SICOMILK PLUS.

2. PRODUCT SPECIFICATIONS

a) Analysis

Protein	22.0	%
Fat	16.0	%
Ash	7.5	%
Fibre	1.3	%
Humidity	max. 5.5	%
Lactose	25.0	%
pH value	5.8-6.2	
Lactic acid	1.5	%
Lysine	1.4	%
Methionine	0.35	%
Threonine	0.9	%

b) Vitamins per kg

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
Panthenic acid	20	mg
Niacin	40	mg

c) Trace elements per kg

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

d) Composition

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

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 WHITE** 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 WHITE** at levels which fulfil the requirements.

* Amino acids pattern. **SICOLAC WHITE** 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 WHITE contains enough amino acids in order to ensure the growing capacities of the animal.

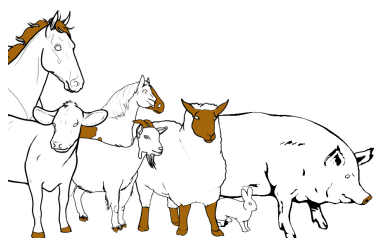
* Vegetable proteins. The vegetable raw materials used in **SICOLAC WHITE** are strictly tested to check the digestion and physical parameters as solubility, etc. Many trials are done at various research facilities with calves. Valuable information was found on the effect of these raw materials. After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

* Sicozym-E. **SICOLAC WHITE** 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.

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4. USE & FEEDING RECOMMENDATIONS

SICOLAC WHITE can be introduced to the calf at 3 weeks of age, after colostrum and transition milk feeding, giving an cost-effective solution for calf rearing.

SICOLAC WHITE is easy to use and supplies all the needed vitamins and minerals for good calf performance.

- Use : 125 g/l milk
- Mixing advice : Add the powder to hot water (45-55 °C) and stir with a wire whisk. Mix to a creamy, smooth consistency and add water to make up to the required amount and feeding temperature of 39-40 °C. Make sure feeding buckets and mixing equipment's are clean.

All calves should have always have acces to fresh, clean water and fresh, high quality calf starter and roughage.

Age	Morning Feeding (L)	Afternoon Feeding (L)	Ad Libitum acces to:
Day 13-14*	2.5	2.5	Clean water, calf starter, hay or straw
Week 3	2.5	2.5	Clean water, calf starter, hay or straw
Week 4 - 7	3.0	3.0	Clean water, calf starter, hay or straw
Week 8	2.5	2.5	Clean water, calf starter, hay or straw
Week 9	2.0	2.0	Clean water, calf starter, hay or straw
Week 10	1.5	1.5	Clean water, calf starter, hay or straw

* Start at day 13-14 mixing 50% milk with 50% SICOLAC WHITE

5. STORAGE

- Avoid storing **SICOLAC WHITE** 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