



# NUKAMEL GREEN

**CERTIFIED** the art of growing

## PRODUCT DESCRIPTION

**Nukamel Green** is a whey-based milk replacer, based on high quality ingredients, with addition of 12.5% milk powder to improve intake. The high protein content is excellent for optimizing calf growth. Next to offering all vitamins and minerals, **Nukamel Green** has high levels of natural Immunoglobulins and Lactic Acid, to boost calves' health. Designed for a safe and easy rearing period. Nukamel Green is suitable for dairy and beef calf rearing.

## KEY BENEFITS

- ✓ Whey protein: fast digestion and stimulates calf starter intake
- ✓ Milk powder --> great taste --> improves intake
- ✓ Dairy content 85%
- ✓ Optimized growth because of elevated nutrient level
- ✓ Bucket and automate feeding system
- ✓ Suitable for Dairy and Beef calf rearing

## OPTIMIZED GROWTH

*Palatable and highly digestible*

- High Protein level
- Balanced protein sources
- Optimal protein and energy availability
- Fats applied by the unique process of spray cooling

## ANALYSIS OF CONSTITUENTS

Protein	%	23.0	
Fat	%	18.0	
Ash	%	7.5	
Fibre	%	0.1	
Humidity	%	max. 4.0	
pH-value		5.5-5.8	
Lactose	%	42.5	
<b>Lactic acid</b>	<b>%</b>	<b>1.0</b>	
Lysine	%	2.00	1.85
Methionine	%	0.60	0.50
Threonine	%	1.00	0.9
Phylogenetic nutrients	ppm	20	-
Omega-3 (ALA)	ppm	-	2750
<b>Probiotics in winterformula</b>			
Bacillus licheniformis	CFU/kg	0.65 x 10 <sup>9</sup>	
Bacillus subtilis	CFU/kg	0.65 x 10 <sup>9</sup>	
Enterococcus faecium	CFU/kg	2.50 x 10 <sup>9</sup>	
Total bacterial count	CFU/kg	3.80 x 10 <sup>9</sup>	

## ADDITIVES

<b>Anti oxidants</b>		
BHT	ppm	25
<b>Vitamins</b>		
Vitamin A	IU/kg	25000
Vitamin D	IU/kg	4500
Vitamin E	mg/kg	300
Vitamin C	mg/kg	300
Vitamin B1	ppm	16
Vitamin B2	ppm	10
Vitamin B6	ppm	10
Vitamin B12	ppb	80
Vitamin K	ppm	5.5
Folic acid	ppm	1.0
Pantothenic acid	ppm	23
Niacine	ppm	50
<b>Trace elements</b>		
Fe	ppm	150
Zn	ppm	170
Mn	ppm	40
Cu	ppm	10
I	ppm	1.3
Se	ppm	0.4





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## COMPOSITION

- Whey powder
- Vegetable oils (palm/coconut – 60/40)
- Skimmed milk powder
- Wheat protein concentrate (hydrolyzed)
- Soy Protein Concentrate
- Premix

## STORAGE

- ✓ Avoid storing this product in warm conditions. Always keep the product out of direct exposure to sunlight.
- ✓ Never store in moist places or near any sources of water.
- ✓ Secure stockroom against all possible breeding ground of insects.
- ✓ Ensure storage area is clean at all times.

## CALF MANAGEMENT

- Proper colostrum management is crucial. Colostrum should be fed as soon as possible; 4L within 4 hours and again 2.5L within 12 hours after birth. High colostrum quality (brix >22) is important.
- To prepare the milk, advised is to dissolve the powder first in 2/3 of the amount of water at 50-55°C. Then add the remaining water at room temperature until the drinking temperature of 39°C is reached, check this carefully.
- Automatic feeding system should be calibrated regularly. Water temperature should be programmed at 42°C, check the water temperature regularly.
- Hygiene is crucial: clean any materials that come in contact with the milk thoroughly.
- Give concentrate from day 3 onwards. Give in small amounts and no more than is consumed. Change the feed regularly. Calves can be weaned when they eat > 2.0 kg of concentrate per day.
- Regularly check the color and solidity of the calves' dung.
- Ensure that the calves have fresh drinking water at their disposal from 3 days of age.
- Supply roughage in the form of chopped straw or hay.

## FEEDING SCHEDULE

Mixing ratio = 145 g CMR to 1 L drinking water

1 kg of milk powder in 7 L water gives 8 L milk

Drinking temp. 39 °C

SCHEDULE		
Age	Colostrum	
1st feeding	within 4 hours after birth - 4L	
2nd feeding	within 12 hours after birth - > 2.5L	
	L / feeding	Feedings / day
day 2-7	2	2
week 2	2.5	2
week 3	3	2
week 4	3	2
week 5	3	2
week 6	3	2
week 7	2.5	2
week 8	2	2
week 9	1	2

- As a general rule, calves need to drink 10% - 15% of their birth bodyweight / day in the first week and 15 - 20% of their birth body weight / day after 8 days.
- 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).

## PACKAGING

NUKAMEL GREEN is packed in 25 kg bags.

