SILA®
ADVANCED NUTRITION

NOVAMONT
A Versalis Company



# nutrilox® STARTER

ADVANCED FEED SOLUTIONS
FOR LIVESTOCK

**NOVEL FEED ADDITIVE FOR THE EARLY STAGES OF CALF REARING**

NUTRILOX® is an innovative product range developed through the partnership between SILA, a specialist in industrial microencapsulation processes for animal nutrition, and Novamont, an international player in the field of bio-based chemistry. The range combines **short- and medium-chain fatty acids and essential oils**. The fatty acids are produced at Novamont's biorefinery in Porto Torres (SS, Italy), using proprietary technology that harnesses the molecular complexity of plant-based raw materials. SILA protects the selected ingredients, enhancing their stability and maximizing their potential. NUTRILOX® product for calves is validated through field trials in commercial conditions.

# nutrilox® STARTER



## Solution for improving the efficiency and use of milk replacers

Formulated to support calves during the early stages of rearing, the product promotes gut microbiota development, improve nutrient absorption, and support immune defences.
Its blend of short- and medium-chain fatty acids, including sodium butyrate, and essential oils works synergistically to:

- *promote maturation of the intestinal mucosa and villi development*
- *improve digestive efficiency*
- *control bacterial proliferation*
- *maintain favourable intestinal pH, osmolarity and redox potential, for gut health.*

## Directions for use

Add 3-5 g/head/meal to reconstituted milk replacer for 3-4 weeks. Mix thoroughly into the liquid portion and keep at 40°C.

## Field trials

(Holstein calves, treated vs. control)

| | Trial 1 | Trial 2 |
|---|---|---|
| Animals per group | 224 (TRT) / 180 (CTR) | 210 (TRT) / 210 (CTR) |
| Average weight upon arrival | 50 kg (TRT & CTR) | 53 kg (TRT) / 54 kg (CTR) |
| Dose and duration | 5 g/head/meal, 10 days | 5 g/head/meal, 15 days |
| Mortality (TRT) | 0% (D15) | 0.95% (2 deaths - D42) |
| Mortality (CTR) | 6.1% (11 deaths - D15) | 2.4% (5 deaths - D42) |

In Trial 1, treated calves also showed good responsiveness, dry pens, reduced individual antibiotic treatment (only 2-3% of the animals), and higher consumption of reconstituted milk and starter feed (about 20 g more intake per meal).

**Supplementation with NUTRILOX® STARTER resulted in lower mortality in both studies, supporting its beneficial use during the early stages of rearing.**

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**For additional information, ask our technical experts.**

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