

# Xtract Ruminant

(X60-7065)



## Description

Xtract Ruminant is a blend of three different natural essential oils namely: Eugenol from Clove, Cinnamaldehyde from Cinnamon and Capsicum from Chili pepper. It acts as a natural alternative to in feed growth promoters in ruminant production systems and plays a role in alleviating heat stress.

## Features

- Manufactured in accordance with ISO Fusion Technology ensuring:
  - Homogeneous distribution and flow-ability
  - Stability, uniformity and analytical traceable
  - Thermally protected by a retention agent
- Proven mode of action with the use of sophisticated *in vitro* modeling systems and animal trials.
- Compliant with EU regulations, free of GMO and animal products and carries FAMI-QS certificate of analysis.
- Registration numbers in accordance with Act 36 of 1947:
  - ⇒ **Xtract Ruminant (X60-7065) - V 21630**

## Benefits

- Improves ruminant performance and condition
- **Eugenol:**
  - ⇒ Decrease C2:C3 ratio → Increase propionic acid and butyric → increase energy extraction from the diet
  - ⇒ Decrease acetic acid production → decrease methane production
  - ⇒ Increase the number and or activities of amylolytic and cellulolytic bacteria.
- **Cinnamaldehyde:**
  - ⇒ Decreases ammonia nitrogen by inhibiting protein degradation at deamination and peptidolysis.
  - ⇒ Accumulation of amino acids and short chain peptides increases microbial protein synthesis.
- **Capsicum:**
  - ⇒ Similar effect to Eugenol in terms of energy metabolism.
  - ⇒ Fractionate feed intake pattern and increase saliva production to reduce the risk of large changes in rumen pH.
  - ⇒ Alleviate heat stress by stimulate water intake and increase vasodilation of veins and arteries.
  - ⇒ Vasodilation of arteries and veins improves blood and nutrient flow to the organs.

## Applications

Dairy cows and feedlot cattle	1.0 g / animal / day
Sheep	0.3 g / animal / day

## Supplier

Pancosma

## Link

[www.pancosma.com](http://www.pancosma.com)

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