

# CRINA<sup>®</sup> Digest

Powering essential oils

The new cost-effective essential oils solution to step-up poultry digestion.

dsm-firmenich 

# CRINA<sup>®</sup>

## Powering essential oils

**The new cost-effective essential oils solution to step-up poultry digestion.**

More than 30 years ago, we pioneered the use of essential oils in animal nutrition.

Today, we are at the forefront of supporting the industry's efforts to reduce the use of antibiotics with our state of the art essential oils solutions, optimizing digestion and performance of poultry. By carefully formulating high purity bioactives, we lay the foundation for sustainable animal production.

Because it all starts with good digestion.



# CRINA<sup>®</sup> Digest

## The new cost-effective essential oils solution to step-up poultry digestion

- A unique and complementary combination of three essential oil compounds: thymol, eugenol and piperine.
- Microencapsulation technology ensuring controlled release of bioactives along the gastrointestinal tract.
- A solution to step-up digestion in all poultry species.



### Intestinal Controlled Release

The microencapsulation technology of CRINA<sup>®</sup> Digest ensures gradual diffusion of the essential oil actives along the gastrointestinal tract for a better digestion.



### Optimum Nutrient Digestibility

CRINA<sup>®</sup> Digest improves digestive functions with piperine, which interacts with cell wall receptors in the pancreas and stimulates increased secretion of key digestive enzymes including lipase, amylase and trypsin. Thus, the intestinal absorption of nutrients is enhanced.



### Modulation of the gut microbiota

Thymol and Eugenol contribute to a balanced intestinal microbiota through their recognized properties of moderating the development of specific classes of bacteria (eg: Clostridium perfringens).

Recommended dosage: 40 to 80 grams per ton of feed

Better feed conversion ratio

**-1.4%\***

ROI: **4€\***

increased profit for **1€** invested

\*Meta-analysis of 6 broiler trials run in Europe in 2018 (p<0.05)

# We bring progress to life



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