

## POLICY

### ANTIBIOTIC USE

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Minerva S.A., a producer and distributor of *in natura* (chilled) and frozen beef, industrialized protein products and by-products (beef, pork, broilers, lamb and fish), in an effort to apply effective risk management in all its operations, has established and communicated to all stakeholders its global policy on the use of antibiotics:

1. Here at Minerva Foods, we recognize the importance of maintaining the efficacy of antibiotics for human and animal health in order to minimize the development of antimicrobial resistance. We are confident that practices that promote animal welfare result in better health conditions and reduce the use of antimicrobials. We have therefore taken steps to share this information throughout the value chain and adopt best practices that include animal health initiatives, nutrition programs and post-slaughter testing to detect chemical residues.
2. Minerva strives to secure and maintain certifications that demonstrate zero use of antibiotics, the use of nutrient-rich feed, and the assurance of high standards of animal welfare.
3. The Company is driven by global trends towards increased awareness of the issue, in line with the guidelines of the World Health Organization (WHO)<sup>1</sup> and the Global Roundtable for Sustainable Beef (GRSB)<sup>2</sup>.
4. Minerva assists beef producers, veterinarians and other stakeholders in the livestock value chain in adopting the following practices to maintain the health and well-being of their herds:
  - Develop an animal health plan supported by veterinary assistance, which includes preventive measures to improve, minimize and, when possible, substitute the use of antimicrobials. Periodically review the health plan;
  - Prioritize animal welfare practices that emphasize management and vaccination to prevent disease. Use treatment only when necessary;
  - Ensure that treatment is administered by a trained professional and in accordance with the instructions on the package insert;
  - Dispose of antimicrobials that have expired according to the manufacturer's instructions;
  - Maintain a record of all treatments, including such information as the date, diagnosis of illness, name of antimicrobial agent, dosage, and grace period.
  - Give priority to the use of antimicrobials of low relevance to human medicine and to the use of antimicrobials of high relevance (HPCIA - Highest Priority Critically Important) according to the WHO classification, applying them only as a last resort, provided that

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this does not delay effective treatment or compromise the health and welfare of the animal.

- Do not use antimicrobials, except ionophores, to enhance efficacy.

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<sup>1</sup><https://www.who.int/publications/i/item/9789241515528>

<sup>2</sup><https://wa.grsbeef.org/resources/Documents/AntimicrobialStewardship/GRSBAntimicrobialStewardship-FINAL.pdf>

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