

AMPHIBETAINE

Powder

Osmoprotectant and methyl donor feed additive for optimal poultry and farm animal's performance, slaughter characteristics with anti-stress properties.

Product Description:

Betaine is a known functional nutrient in broiler nutrition. The principal physiologic role of betaine is to act as an osmolyte (osmoprotectant) and as methyl donor (transmethylation). As an osmolyte, betaine increases intracellular water retention and therefore protects intracellular enzymes against osmotic induced inactivation. As a methyl donor, betaine participates in the methionine cycle in the liver and can be further used for synthesis of essential substances like carnitine and creatine. The benefits of betaine as a feed additive for improving animal performance and slaughter characteristics are well documented. Dietary supplementation of betaine may reduce the requirement of other methyl donors such as methionine and choline. Bio-equivalence studies between betaine and choline/methionine in broilers diets allows choline to be fully replaced and methionine to be decreased by 25-30% of daily requirements. Betaine is considered the most effective organic osmolyte. It accumulates in GIT cells regulating water flux across the intestinal epithelium. Betaine anhydrate can be used to overcome the impact of heat stress. It results in improved weight gain and feed conversion. More importantly, rectal temperature was decreased. Panting, a mechanism of heavily breathing to lose heat via evaporation, was also reduced.

Benefits:

AmphiBETAINE can replace choline & methionine in broiler optimal diets.

AmphiBETAINE is used for animal performance and slaughter characteristics.

AmphiBETAINE can be used to overcome heat stress especially for slow growing broilers. It improves weight gain and feed conversion. It helps decrease rectal temperature and reduce panting.

Ingredients:

Each 1000 grams of AMPHIBETAINE powder contains: Betaine Hydrochloride: $\leq 96\%$

