

# AMPHICHOLINE

## Powder

*A choline chloride source and a lipotropic agent for poultry and livestock to improve growth and performance and for better milk production and quality in dairy cattle.*

### Product Description:

AMPHICHOLINE powder is designed to ensure adequate choline chloride supplementation required for normal functioning, growth, production and feed efficiency in poultry and rumen protected choline improves milk yield and milk fat and reduce blood serum non-esterified fatty acids and cholesterol in dairy cattle and buffaloes. Functions of choline chloride are:

**Building and maintaining cell structures:** Choline is required as a constituent of the phospholipids needed for maturation of the cartilage matrix of the bone.

**Fat metabolism of the liver:** Choline is referred to as a "lipotropic" factor due to its function of acting on fat metabolism by hastening removal or decreasing deposition of fat in liver

**Formation of acetylcholine (essential):** Choline is essential for the synthesis of acetylcholine by mitochondria at the presynaptic terminal of the neural synapse, a substance that makes possible the transmission of nerve impulses.

**Methyl-group donor (non-essential) via betaine:** Choline furnishes labile methyl groups for formation of methionine from homocysteine and of creatine from guanidoacetic acid.

### Benefits:

AMPHICHOLINE powder is added to poultry feed to promote growth, improve feed efficiency and feed conversion ratio.

AMPHICHOLINE is used in young chicks to compensate for choline insufficient synthesis.

AMPHICHOLINE powder is used in dairy cattle and buffaloes to improve milk yield and milk fat and reduce blood serum non-esterified fatty acids and cholesterol.

AMPHICHOLINE powder is used in livestock as a "lipotropic factor" to guard against fatty liver.

### Ingredients:

Each 1000 grams of AMPHICHOLINE contains:  
Choline Chloride:  $\leq 60\%$

