

Monensin

20% & 10% powder or granular

Common Name: Monensin

Molecular Formula: C₃₆H₆₂O₁₁

Molecular Weight: 670.87

CAS Registration No.: 17090-79-8

Properties

Appearance: White or off-white crystals

Melting point: 103-105 degree centigrade

Solubility: Slightly soluble in water; more soluble in water; more soluble in hydrocarbons; very soluble in other organic solvents.

Mode of action: Coccidiostat. Polyether antibiotic and feed additive to improve feed efficiency in ruminants. May efficiently prohibit cation exchange internally and externally, and lead to de-hydrolysis of the cells. Finally result in micro-environmental change, i.e. breakdown of cells and malfunction of the metabolites.

Formulations:

1. Monensin technical

Potency: not less than 800u/mg

Manufacturing process: Isolated from *Streptomyces cinnamonensis*; a biological compound produced from fermentation, extracted and purified with organic solvent.

Packing: 25kg per fiber bag or according to customers' requirements

Storage: Kept in a well-closed container and protected from light.

Dose level: Gradient mixing with feed; diluted with feed to the dose levels ranging from 90-110g a.i./ton.

1. Monensin premix

Specifications: 5%, 10%, 20%

Particle size: According to customers' requirements

Manufacturing process: Formulated by combining with appropriate substrates with the characteristics of even distribution of the active ingredient. Very stable under normal conditions and easy to homogenize with feed.

Packing: 25kg per fiber bag or according to customers' requirements.

Precautions:

1. The drug should be prohibited during layering period.

2. Homogeneous mixing is essential.

3. It is highly toxic to horse-family animals.

4. Drug should be withdrawn 3 days before slaughter.

5. It is forbidden to mix with Tiamulin or the equal.

6. Should be disposed of properly or according to the local environmental regulations.

Shelf life: Tentatively 2 years

Packaging:

25Kg/Kraft Bag

Make adjustments according to customers' requirements.