

# AminoShure®-XM

Precision Release Methionine

**AminoShure®-XM Precision Release Methionine** delivers the essential amino acid, methionine, necessary to build and maintain virtually every tissue in the body.

Methionine must be consumed in the diet. If not enough is consumed, your cows are unable to build proteins required for tissue and organ maintenance, growth, reproduction, fetal growth or milk protein production.

Methionine breaks down readily in the rumen, so an effective encapsulation process is integral to proper methionine delivery to the small intestine.

## Guaranteed Minimum Analysis:

DL-Methionine (Minimum) ..... 68.0%  
L-Lysine Hydrochloride (Minimum) ..... 2.0%

## Application:

Feed to dry and lactating dairy cattle to help meet their methionine requirement. Methionine is required to synthesize all proteins in the body, including milk protein.

## Ingredients:

DL-Methionine, L-Lysine Hydrochloride, Hydrogenated Vegetable Oil

## Feeding recommendation:

Feed 5 g to 50 g of AminoShure-XM to meet the cows' metabolizable methionine requirement.

## Packaging:

25 kg poly-lined bags

## Recommended Storage:

Keep dry in sealed bags. Store below 50°C (120°F.) Recommended storage temperature 10° - 32°C (50° - 90°F.)



AMINOSHURE®-XM PRECISION RELEASE METHIONINE

### The X-Technology

The ultimate measure of an effective encapsulated methionine is the cost at which it can deliver a unit of bioavailable nutrient to the cow. This is a function of the product cost, feed stability, rumen protection and intestinal digestibility. The X-Technology carefully balances these key, yet antagonistic, characteristics to deliver the best value to our customers.

- **Cost** - The new X-Technology has improved the nutrient bioavailability which, in effect lowers the encapsulation costs per unit of metabolizable methionine.
- **Feed Stability** - The new X-Technology employs a true lipid-based system that is more durable than polymer and ethylcellulose coatings.
- **Intestinal Release** - The X-Technology gradually meters the methionine into the small intestine where it is absorbed and utilized by the cow to maximize productivity.
- **Rumen Stability** - The X-Technology has been masterfully designed to resist ruminal degradation, maximizing the nutrient payload delivered to the small intestine.

### The Difference is X

Balchem's new X-Technology provides the optimal combination of cost, feed stability, rumen stability and intestinal release to deliver the best cost per unit of available methionine on the market today. Numerous research studies at multiple universities were completed to accurately characterize and validate the attributes so you can be confident when choosing AminoShure-XM as your new rumen-protected methionine source.

### Balchem

For more than 50 years, Balchem has perfected the art of delivering nutrients to specific locations under many different environmental conditions. Today, Balchem's technologies protect hundreds of products across human, animal and industrial applications. Protect your entire nutrient investment with Balchem.

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