

AminoShure™-XM

Precision Release Methionine

AminoShure™-XM Precision Release Methionine is critical for protein synthesis, supporting tissue maintenance, growth, reproduction, and milk protein production in dairy cattle.

As the first-limiting amino acid, insufficient methionine hinders protein synthesis, compromising cow health and productivity.

Cows obtain methionine from feed and rumen microbial protein, but traditional feed sources are degraded by rumen microbes, reducing absorption. Rumen-protected methionine ensures delivery to the small intestine for effective absorption.

Guaranteed Minimum Analysis:

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

Typical Analysis:

Methionine (Minimum) 70.0%
Metabolizable Methionine..... 38.0%

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:

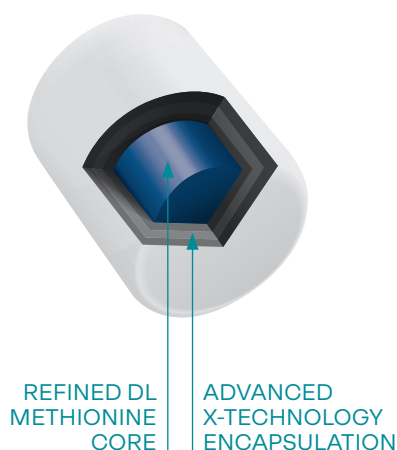
Keep dry in sealed bags. Store below 50°C
Recommended storage temperature 10°- 32°C.



The X-Technology

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

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 rumen-protected methionine source.



- **Feed Stability** – The new X-Technology employs a true lipid-based system that is more durable than polymer and ethylcellulose coatings, without including microplastics or other harmful ingredients. New research shows AminoShure-XM maintains the encapsulation integrity in both mineral mixes and TMRs.
- **Rumen Stability** – The X-Technology has been masterfully designed to resist ruminal degradation, maximizing the nutrient payload delivered to the small intestine.
- **Intestinal Release** – The X-Technology releases the methionine into the small intestine where it is absorbed and utilized by the cow to maximize productivity.

The Difference is X

Balchem has invested more than 50 years perfecting the art and science of encapsulation. And with X-Technology, encapsulation has taken a leap forward. This new encapsulation system optimizes core composition, coating technology and release timing to create a revolutionary new encapsulated methionine product.

Balchem

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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