

# NiaShure™

## Precision Release Niacin

**NiaShure™ Precision Release Niacin** is rumen-protected to shield the niacin from microbial degradation in the rumen while allowing release further down the digestive tract. Research shows that as much as 95% of raw niacin is broken down in the rumen. Balchem's proprietary encapsulation process ensures that NiaShure reliably delivers significantly more niacin to the intestinal tract than raw niacin.

### Product Information:

Content – 65-71% Niacin

### Application:

Rumen-protected niacin is used as a feed premixture for ruminants. *Do not use as final feed.*

### Ingredients:

Niacin, Hydrogenated Vegetable Oil

### Feeding Recommendation:

#### Feeding rates:

10 – 20 mg/kg of body weight

### Packaging:

25 kg. poly-lined bags

### Recommended Storage:

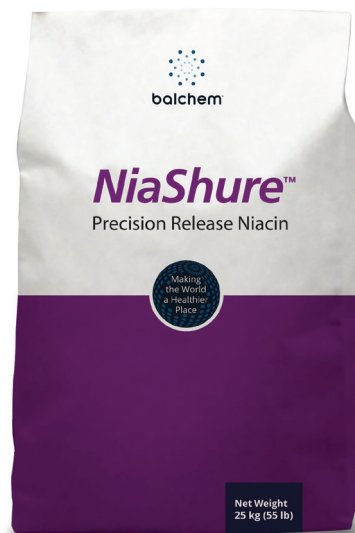
Keep dry in sealed bags. Store below 50°C.

Recommended storage temperature

10° - 32°C.

### Availability:

NiaShure is available through most animal feed outlets. Contact Balchem to find a local supply of NiaShure.



NIASHURE™ PRECISION RELEASE NIACIN



balchem®

**Benefits:**

Niacin is a highly bio-active compound and often referred to as vitamin B3. It is primarily involved in energy metabolism, helping convert feed into energy.

Niacin is important for the development and function of cells throughout the body. As a water-soluble vitamin, niacin cannot be stored in the body, so it must be provided on a daily basis. In humans, niacin is supplemented to help lower cholesterol, ease arthritis and boost brain function. In dairy cattle, niacin is included in rations to help reduce the impact of heat stress and to mitigate ketosis in severely overweight or problem cows.

**How NiaShure Works:**

- **Increases Peripheral Circulation** – Feeding NiaShure increases blood flow to the skin, allowing the skin to dissipate heat.
- **Increases Sweating** – Much like in humans, by increasing the ability for cows to sweat, body temperature is reduced.
- **Reduces Core Body Temperature** – NiaShure has been shown to reduce core body temperature by 0,5°C compared to control cows during periods of peak thermal loads.
- **Reduces NEFA Surge** – Niacin acts on fat cells to reduce the amount of lipid being mobilized leading to lower prepartum blood NEFA levels.

**About Balchem:**

Balchem Animal Nutrition & Health is the global leader in choline production, chelation and encapsulation technology. With a growing portfolio of nutrition products and a dedication to innovation and industry sustainability, Balchem is leading the charge to meet the nutritional needs of ruminants, monogastrics and companion animals. The company consists of three business segments: Human Nutrition & Health; Animal Nutrition & Health; and Specialty Products. Balchem employs around 1.400 people worldwide who are engaged in diverse activities, committed to developing the company into global market leadership positions.

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