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| 1. Responsibility FSDS | |
| 1.1. Name | URUS Companies |
| 1.2. Address | Dijksterweg 51, 9977 TD, Kloosterburen, The Netherlands |
| 1.3. Approved by | J. Wouda |
| 2. Identification of the product | |
| 2.1. Product name | RumiLife CAL24 Calcium Bolus for Cattle |
| 2.2. Trade name | RumiLife® CAL24™ |
| 2.3. Article code | 706440 RumiLife CAL24 box of 24 (old formula, not in use anymore) CMS2014-24EU RumiLife CAL24 EU Box of 24 (Active Article) |
| 2.4. Registration number (when applicable) | - |
| 2.5. Product description | Calcium bolus for cattle. Dietetic mineral feed for reduction of the risk of milk fever in dairy cows RumiLife® CAL24™ is a uniquely formulated bolus product to promote calcium levels in cows. RumiLife® CAL24™ features calcium chloride for immediate release and a naturally found combination of Seaweed derived calcium and magnesiumoxide, for a long-lasting sustained release. RumiLife® CAL24™ also contains vitamin D3 to maximize absorption and utilization of calcium. |
| 2.6. Origin (produced and supplied by) | Contract Manufacturing Services (CMS) 1111 West Industrial Road Elmwood, WI 54740, USA |
| 2.7. Supplied / distributed by | A URUS Company imports and distributes the product into the EU/UK. |
| 3. Product description | |
| 3.1. Production process | The product is obtained by mixing the ingredients and pressing this into a bolus by the producer. The products are packed. |
| 3.2. Used raw materials and additives (incl. additives and processing aids) | Calcium Chloride, Calcium Carbonate, Maerl, Magnesium Oxide, Hydrogenated Refined Soybean Oil, Fractionated Coconut Oil. Vitamin D ₃ 3a671 |
| 3.3. Logistical path (transport, (in between) storage, packing material) | Producer (USA) → Transport (import) → external warehouse (NL) → Transport by truck → End User |
| 3.4. Shelf life | Good shelf life. See label for the "BEST BEFORE" date. |

3.5. Indicative properties

| Parameter | Unit | Average | Min. | Max. |
|-----------|------|---------|------|------|
| Calcium | % | 25,4 | 23,9 | 28,4 |
| Magnesium | % | 2,2 | 1,54 | 3,52 |
| Moisture | % | 22,5 | | |

4. Standards / requirements

4.1. Relevant legislation

The product complies with national and communal law and regulation with respect to animal feed. The most important elements are:

- Regulation (EC) No. 183/2005; requirements for Feed Hygiene;
- Regulation (EC) No. 767/2009, marketing and use of feed;
- Directive 2002/32/EC; undesirable substances in animal feed;

4.2. Relevant properties / demands (chemical, physical, microbiological)

| Parameter | Unit | Legislation | Contractual | Intern |
|--------------------------------------|--------------------------|-------------------|-------------|--------|
| Arsenic* | mg/kg | 12 | | |
| Lead* | mg/kg | 15 | | |
| Cadmium* | mg/kg | 5 | | |
| Dioxins | ng WHO – PCDD/F-TEQ /kg | 0,75 | | |
| Dioxin-like PCB's | ng WHO- PCB-TEQ/kg | 0,5 (Actionlimit) | | |
| Sum of dioxins and dioxin-like PCB's | ng WHO-PCDD/F-PCB-TEQ/kg | 1,5 | | |
| Non-dioxin-like PCB's | µg/kg | 10 | | |

* For SecureFeed 75% of the Legal rejection limit is set as Action limit.

4.3. Intended use

As a calcium supplement for dairy cattle after calving. Use only in the period from the first signs of parturition to two days subsequent to parturition.

4.4. Storage- and preservation conditions

Store product in its original packaging in a cool, dry place out of direct sunlight. Do not open the plastic wrap until it is used. Store between 2° and 32°C. Do not freeze. Keep out of the reach of children.

4.5. Transport conditions

According with GMP+ conditions for road, air and water transport. Product is packed.

4.6. Handling conditions and application

Open a bolus package and insert flat end of one bolus into an appropriately-sized bolus applicator. Insert the bolus applicator into the back of the cow's mouth and deposit the bolus, allowing the cow time to swallow. Repeat with second bolus. After administration allow access to water. It is recommended that the bolus is administered by a competent person.

5. Labeling

Conform Regulation (EC) No767/2009, Regulation (EC) No. 1829/2003 and Regulation (EC) No. 1830/2003.

- name and address supplier;
- the words: Dietetic Mineral Feed;
- name of the product;
- analytical constituents:
- feed additives:
- reference number;
- net quantity.
- production date;
- expiration date;

6. HACCP

| 6.1. Hazard | 6.2. Risk evaluation | | | | 6.3. Control measures | 6.4. Motivation |
|------------------------------------|----------------------|-------|----------|------|--|--|
| | Cat. (C, M, P) | prob. | sev. | risk | | |
| Presence of physical contamination | P | small | Moderate | 2 | Guarantees from supplier. | There are no indications that physical contaminants are present this product. |
| Presence of heavy metals | C | small | great | 3 | Guarantees from supplier. Decision tree: 1-No, 2-No, 3-Yes, 4-Yes, 5-No > OPRP G1 | Because of their origin mineral feed can be contaminated with heavy metals (especially for trace minerals and clay minerals). Considering the raw materials used in RumiLife the probability is small. |
| Dioxins and dioxin-like PCB's | C | small | great | 3 | Guarantees from supplier. Decision tree: 1-No, 2-No, 3-Yes, 4-Yes, 5-No > OPRP G2 | Because of their origin mineral feed can be contaminated with dioxins (especially for clay minerals). Coconut oil is known for its risk regarding dioxin contamination but it is included at a low amount. Because the product is bought under GMP+ conditions the probability is small. |

| 7. Monitoring | | |
|---|---------------------------|----------------|
| 7.1. Parameter | 7.2. Moment of analysing | 7.3. Frequency |
| Heavy metals: • Arsenic • Lead • Cadmium | Guarantees from supplier. | 1x per year |
| Dioxins | Guarantees from supplier. | 1x per year |
| Dioxin-like PCB's | Guarantees from supplier. | 1x per year |
| Sum of dioxins and dioxin-like PCB's | Guarantees from supplier. | 1x per year |
| Non-dioxin-like PCB's | Guarantees from supplier. | 1x per year |
| 8. Comments | | |
