State of California
Department of Food and Agriculture
Safe Animal Feed Education Program

Cleanout Procedures

*A method of establishing the validity of the flushing procedure that is specified in the feed safety plan.**

Flush Verification

Objective:

The objective of a flush verification is to test the effectiveness of the flush procedure in minimizing drug residues from all of the equipment that was used in the production of a medicated feed.

Person Responsible:

Plant Manager or Designated Employee

Procedure:

To verify that the flushing process is effectively minimizing drug residues in non-medicated feed, the testing of non-medicated feed needs to be completed. To do this the facility must manufacture a medicated feed. Upon the completion of manufacturing medicated feed a non-medicated feed that follows the same route through the facility that the medicated feed did, will be sampled and tested for the drug(s) used in the medicated feed. The sample is taken after the flush procedures are observed.

Sampling

Get 4 sample bags and label them with the name and formula of the feed, the date, and a number (1-4) so that the samples can be distinguished after being taken.

Begin sampling once the last ingredient has been added and thoroughly mixed.

Select intervals that are evenly spaced thought out the mix time that will allow for 4 samples to be taken.

The use of an extending stream cut devise may be needed to obtain the samples.

Once all of the samples have been collected the plastic bags should be sealed with plastic tape and then sent to a 3rd party lab for analysis.

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Sampling

When offloading feed from the load out (refer to Load Out SOP) use a stream cut sampler to catch the feed as it is being unloaded but before it reaches its destination (i.e truck, loader, or bag). This sample will be labeled with the formula of the feed that was produced along with the date, the initials of the person taking the sample, "Flush Verification" and the name of the drug that is being tested i.e. (monensin). This sample will be sent to a lab to be analyzed.

The results of this sample will demonstrate how effectiveness of the flushing procedure. If the 2g per ton limit for the drug residue is exceeded then the flushing procedure will be reevaluated and the test will be done again. This will be repeated until the drug residue is less than the limit in place.

Frequency:

This test will be done quarterly or upon any alterations in the flushing procedure or formulation changes that could alter the effectiveness of the flushing procedure.

Corrective Action:

Corrective actions will be documented in the event that a flush verification is not performed within the time frame specified or in the event that the drug residue is greater than the allowed limit.

Related Documents:

Flushing and Scheduling Sequence

Load-out Procedure

**AAFCO Feed Industry HACCP Auditor Manual*