



AAFCO
Association of American Feed Control Officials

Investigator Report and Recommendation for: Selenium Yeast

Submitted by: Melton Bryant **Date:** 6/7/2010

Action:

- New Tentative Definition
- Tentative Definition to be made Official
- Editorial Change
- Delete Official Definition
- Other

Definition Number: T57.163 **Name:** Selenium Yeast

Text/Description:

57.163 Selenium Yeast is a dried non-viable yeast, *Saccharomyces cerevisiae*, cultivated in a fed-batch fermentation which provides incremental amounts of cane molasses and selenium salts in a manner which minimizes the detrimental effects of selenium salts on the growth rate of the yeast and allows for optimal incorporation of inorganic selenium into cellular organic material. Residual inorganic selenium is eliminated in a rigorous washing process and must not exceed 2% of the total selenium content in the final selenium yeast product. Guaranteed organic selenium content must be declared on the product label. The additive selenium yeast may be added to:

- 1) complete feeds for chickens, turkeys, swine, beef cattle, dairy cattle, bison, sheep, goats, llamas, alpacas, and horses at a level not to exceed 0.3 part per million of selenium, and to complete dog foods at a level not to exceed 0.333 part per million of selenium on a dry matter basis;
- 2) feed supplements for limit feeding for beef cattle, bison and horses at a level not to exceed an intake of 3 milligrams per head per day;
- 3) feed supplements for limit feeding for goats, llamas and alpacas at a level not to exceed an intake of 0.7 milligrams per head per day;
- 4) salt-mineral mixtures for free-choice feeding of beef cattle, bison and horses up to 120 parts per million in a mixture for free-choice feeding at a rate not to exceed an intake of 3 milligrams per head per day;
- 5) salt-mineral mixtures for free-choice feeding for goats, llamas and alpacas up to 90 parts per million in a mixture for free-choice feeding at a rate not to exceed an intake of 0.7 milligrams per head per day.

Selenium yeast shall be incorporated into each ton of complete feed by adding no less than 1 pound of a premix containing no more than 272.4 milligrams of added selenium per pound. 21 CFR 573.920. (Proposed 2002, Amended 2003, 2004, 2007*, 2008, 2009)

Remarks:

Deadline Date:

- June 15, ____2010__ for consideration at Annual Meeting
- December 15, _____ for consideration at Midyear Meeting

Submit report and recommendations to:

Richard Ten Eyck, Chair
Ingredients Definition Committee
Oregon Department of Agriculture
635 Capitol Street, NE
Salem, OR 97301-2532

Recommendation of Ingredients Definition Committee:

Remarks:

- _____ Accept as Requested
- _____ Accept as Amended
- _____ Do not Accept
- _____ Table until _____