

§ 93.3

lime, grapefruit, mandarin, tangerine, kumquat or other tree or shrub in the genera *Citrus*, *Fortunella*, or *Poncirus* of the plant family Rutaceae.

Recoverable oil. The percent of oil by volume, determined by the bromate titration method after distillation and acidification as described in the current edition of the Official Methods of Analysis of AOAC INTERNATIONAL, Volumes I & II.

[61 FR 51351, Oct. 2, 1996, as amended at 65 FR 64316, Oct. 26, 2000]

§ 93.3 Analyses available and location of laboratory.

(a) Laboratory analyses of citrus juice and other citrus products are being performed at the following Science and Technology location: USDA, AMS, S&T Eastern Laboratory (Citrus), 98 Third Street, SW., Winter Haven, FL 33880.

(b) Laboratory analyses of citrus fruit and products in Florida are available in order to determine if such commodities satisfy the quality and grade standards set forth in the Florida Citrus Code (Florida Statutes Pursuant to Chapter 601). Such analyses include tests for acid as anhydrous citric acid, Brix, Brix/acid ratio, recoverable oil, and artificial coloring matter additive, as turmeric. The Fruit and Vegetable Inspectors of the Division of Fruit and Vegetable of the Florida Department of Agriculture and Consumer Services may also request analyses for arsenic metal, pulp wash (ultraviolet and fluorescence), standard plate count, yeast with mold count, and nutritive sweetening ingredients as sugars.

(c) There are additional laboratory tests available upon request at the Science and Technology Eastern (Citrus) Laboratory at Winter Haven, Florida. Such analyses include tests for vitamins, naringin, sodium benzoate, *Salmonella*, protein, salt, pesticide residues, sodium metal, ash, potassium metal, and coliforms for citrus products.

[65 FR 64316, Oct. 26, 2000]

§ 93.4 Analytical methods.

(a) The majority of analytical methods for citrus products are found in the Official Methods of Analysis of AOAC

7 CFR Ch. I (1-1-01 Edition)

INTERNATIONAL, Volumes I & II, AOAC INTERNATIONAL, 481 North Frederick Avenue, Suite 500, Gaithersburg, MD 20877-2417.

(b) Other analytical methods for citrus products may be used as approved by the AMS Deputy Administrator, Science and Technology (S&T).

[65 FR 64317, Oct. 26, 2000]

§ 93.5 Fees for citrus product analyses set by cooperative agreement.

The fees for the analyses of fresh citrus juices and other citrus products shall be set by mutual agreement between the applicant, the State of Florida, and the AMS Deputy Administrator, Science and Technology programs. A Memorandum of Understanding (MOU) or cooperative agreement exists presently with the AMS Science and Technology and the State of Florida, regarding the set hourly rate and the costs to perform individual analytical tests on Florida citrus products, for the State.

[65 FR 64317, Oct. 26, 2000]

Subpart B—Peanuts, Tree Nuts, Corn and Other Oilseeds

§ 93.10 General.

Chemical analyses are performed to detect the presence of aflatoxin in lots of shelled peanuts and peanut products, as well as in other nuts and agricultural products. In addition, proximate chemical analyses for quality determination are performed on oilseeds.

§ 93.11 Definitions.

Words used in the regulations in this subpart in the singular form will import the plural, and vice versa, as the case may demand. As used throughout the regulations in this subpart, unless the context requires otherwise, the following terms will be construed to mean:

Aflatoxin. A toxic metabolite produced by the molds *Aspergillus flavus*, *Aspergillus parasiticus*, and *Aspergillus nomius*. The aflatoxin compounds fluoresce when viewed under UV light as follows: aflatoxin B₁ and derivatives with a blue fluorescence, aflatoxin B₂ with a blue-violet fluorescence, aflatoxin G₁ with a green fluorescence,

aflatoxin G₂ with a green-blue fluorescence, aflatoxin M₁ with a blue-violet fluorescence, and aflatoxin M₂ with a violet fluorescence. These closely related molecular structures are referred to as aflatoxin B₁, B₂, G₁, G₂, M₁, M₂, GM₁, B_{2a}, G_{2a}, R₀, B₃, 1-OCH₃B₂, and 1-CH₃G₂.

Peanut Administrative Committee (PAC). The committee established under the United States Department of Agriculture Marketing Agreement for Peanuts, 7 CFR part 998, which administers the terms and provisions of this Agreement, including the aflatoxin control program for domestically produced raw peanuts, for peanut shellers. The Peanut Administrative Committee (PAC) headquarters are at 2537 Lafayette Plaza Drive Suite A; Albany, Georgia 31707.

Peanut Marketing Agreement. The agreement concerning the regulations and instructions set forth since July 12, 1965, by the Peanut Administrative Committee for the marketing of peanuts entered into by handlers of domestically produced peanuts under the authority of the Agricultural Marketing Agreement Act of 1937, as amended (7 U.S.C. 601 et seq.).

Peanuts. The seeds of the legume *Arachis hypogaea*, and includes both inshell and shelled nuts.

Seed. Any vegetable or other agricultural plant ovule having an embryo that is capable of germinating to produce a plant.

[61 FR 51351, Oct. 2, 1996, as amended at 63 FR 16375, Apr. 2, 1998; 66 FR 64317, Oct. 26, 2000]

§ 93.12 Analyses available and locations of laboratories.

(a) *Aflatoxin testing services.* The aflatoxin analyses for peanuts, peanut products, dried fruits, grains, edible seeds, tree nuts, shelled corn products, cottonseed, oilseed products and other commodities are performed at the following 6 locations for AMS Science and Technology (S&T) Aflatoxin Laboratories:

- (1) USDA, AMS, S&T
1211 Schley Avenue, Albany, GA 31707.
- (2) USDA, AMS, S&T
c/o Golden Peanut Company, Mail:
P.O. Box 279, 301 West Pearl Street,
Aulander, NC 27805.

- (3) USDA, AMS, S&T
610 North Main Street, Blakely, GA 31723.
- (4) USDA, AMS, S&T
107 South Fourth Street, Madill, OK 73446.
- (5) USDA, AMS, S&T
c/o Cargill Peanut Products, Mail:
P.O. Box 272, 715 North Main Street, Dawson, GA 31742-0272.
- (6) USDA, AMS, S&T
Mail: P.O. Box 1130, 308 Culloden Street, Suffolk, VA 23434.

(b) *Peanuts, peanut products, and oilseed testing services.*

(1) The Science and Technology (S&T) Aflatoxin Laboratories at Madill, Oklahoma and Blakely, Georgia will perform other analyses for peanuts, peanut products, and a variety of oilseeds. The analyses for oilseeds include testing for free fatty acids, ammonia, nitrogen or protein, moisture and volatile matter, foreign matter, and oil (fat) content.

(2) All of the analyses described in paragraph (b)(1) of this section performed on a single seed sample are billed at the rate of one hour per sample. Any single seed analysis performed on a single sample is billed at the rate of one-half hour per sample. The standard hourly rate shall be as specified in § 91.37(a) of this subchapter.

(c) *Vegetable oil testing services.* The analyses for vegetable oils are performed at the USDA, AMS, Science and Technology (S&T) Midwestern Laboratory, 3570 North Avondale Avenue, Chicago, IL 60618-5391. The analyses for vegetable oils will include the flash point test, smoke point test, acid value, peroxide value, phosphorus in oil, and specific gravity. The fee charged for any single laboratory analysis for vegetable oils shall be obtained from the Midwestern Laboratory Director and it is based on the hourly fee rates and charges as specified in 7 CFR part 91, subpart I.

[65 FR 64317, Oct. 26, 2000]

§ 93.13 Analytical methods.

Official analyses for peanuts, nuts, corn, oilseeds, and related vegetable oils are found in the following manuals:

- (a) Approved Methods of the American Association of Cereal Chemists