

§ 801.8

7 CFR Ch. VIII (1–1–02 Edition)

solvent oil extraction method; for determination of protein content shall be ± 0.30 percent mean deviation from the national standard NIRS instruments, which are referenced and calibrated to the Combustion method, AOAC International Method 992.23; and for determination of starch content shall be ± 0.35 percent mean deviation from the national standard NIRS instruments, which are referenced and calibrated to

the Starch method, Corn Refiners Association Method A-20.

[63 FR 35505, June 30, 1998]

§ 801.8 Tolerances for sieves.

The maintenance tolerances for sieves used in performing official inspection services shall be:

- (a) Thickness of metal: ± 0.0015 inch.
- (b) Accuracy of perforation: ± 0.001 inch from design specification.
- (c) Sieving accuracy:

| Sieve description | Tolerance | |
|--------------------------------------|---|--|
| | Direct comparison | Sample exchange |
| .064 \times 3/8 inch oblong | ± 0.2 percent, mean deviation from standard sieve using wheat. | ± 0.3 percent, mean deviation from standard sieve using wheat |
| 3/64 \times 3/4 inch slotted | ± 0.3 percent, mean deviation from standard sieve using barley. | ± 0.5 percent, mean deviation from standard sieve using barley |
| 5/64 \times 3/4 inch slotted | ± 0.5 percent, mean deviation from standard sieve using barley. | ± 0.7 percent, mean deviation from standard sieve using barley |
| 3/64 \times 3/4 inch slotted | ± 0.7 percent, mean deviation from standard sieve using barley. | ± 1.0 percent, mean deviation from standard sieve using barley |

§ 801.9 Tolerances for test weight apparatuses.

The maintenance tolerances for test weight per bushel apparatuses used in performing official inspection services shall be:

| Item | Tolerance |
|--------------------------|---|
| Beam/scale accuracy | ± 0.10 pound per bushel deviation at any reading, using test weights |
| Overall accuracy | ± 0.15 pound per bushel, mean deviation from standard test weight apparatus using wheat |

§ 801.10 Tolerance for dividers.

The maintenance tolerance for dividers used in performing official inspection services shall be ± 1.0 percent, mean deviation from target value using wheat.

§ 801.11 Related design requirements.

(a) *Suitability.* The design, construction, and location of official sampling and inspection equipment and related sample handling systems shall be suitable for the official sampling and inspection activities for which the equipment is to be used.

(b) *Durability.* The design, construction, and material used in official sampling and inspection equipment and related sample handling systems shall as-

sure that, under normal operating conditions, operating parts will remain fully operable, adjustments will remain reasonably constant, and accuracy will be maintained between equipment test periods.

(c) *Marking and identification.* Official sampling and inspection equipment for which tolerances have been established shall be permanently marked to show the manufacturer's name, initials, or trademark; the serial number of the equipment; and the model, the type, and the design or pattern of the equipment. Operational controls for mechanical samplers and related sample handling systems, including but not limited to pushbuttons and switches, shall be conspicuously identified as to the equipment or activity controlled by the pushbutton or switch.

(d) *Repeatability.* Official inspection equipment when tested in accordance with §§ 800.217 and 800.219 shall, within the tolerances prescribed in §§ 801.3 through 801.10, be capable of repeating its results when the equipment is operated in its normal manner.

(e) *Security.* Mechanical samplers and related sample handling systems shall provide a ready means of sealing to deter unauthorized adjustments, removal, or changing of component parts or timing sequence without removing

or breaking the seals; and otherwise be designed, constructed, and installed in a manner to prevent deception by any person.

(f) *Installation requirements.* Official sampling and inspection equipment and related sample handling systems shall be installed (1) at a site approved by the Service, (2) according to the manufacturer's instructions, and (3) in such a manner that neither the operation nor the performance of the equipment or system will be adversely affected by the foundation, supports, or any other characteristic of the installation.

§ 801.12 Design requirements incorporated by reference.

(a) *Moisture meters.* All moisture meters approved for use in official grain moisture determination and certification shall meet applicable requirements contained in the FGIS Moisture Handbook and the General Code and Grain Moisture Meters Code of the 1991 edition of the National Institute of Standards and Technology's (NIST) Handbook 44, "Specifications, Tolerances, and Other Technical Requirements for Weighing and Measuring Devices." Pursuant to the provisions of 5 U.S.C. 552(a), the materials in Handbook 44 are incorporated by reference as they exist on the date of approval and a notice of any change in these materials will be published in the FEDERAL REGISTER.

The NIST Handbook is for sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20403. It is also available for inspection at the Office of the Federal Register, 800 North Capitol Street, NW., suite 700, Washington, DC.

The following Handbook 44 requirements are not incorporated by reference:

General Code (1.10.)

- G-S.5.5. Money Values, Mathematical Agreement
- G-T.1. Acceptance Tolerances
- G-UR.3.3. Position of Equipment
- G-UR.3.4. Responsibility, Money-Operated Devices

Grain Moisture Meters (5.56.)

- N.1.1. Transfer Standards
- N.1.2. Minimum Test
- N.1.3. Temperature Measuring Equipment
- T.2. Tolerance Values
- T.3. For Test Weight Per Bushel Indications or Recorded Representations

- UR.3.2. Other Devices not used for Commercial Measurement
- UR.3.7. Location
- UR.3.11. Posting of Meter Operating Range
- (b) [Reserved]

[57 FR 2673, Jan. 23, 1992]

PART 802—OFFICIAL PERFORMANCE AND PROCEDURAL REQUIREMENTS FOR GRAIN WEIGHING EQUIPMENT AND RELATED GRAIN HANDLING SYSTEMS

Sec.

- 802.0 Applicability.
- 802.1 Qualified laboratories.

AUTHORITY: Pub. L. 94-582, 90 Stat. 2867, as amended (7 U.S.C. 71 *et seq.*).

§ 802.0 Applicability.

(a) The requirements set forth in this part 802 describe certain specifications, tolerances, and other technical requirements for grain weighing equipment and related grain handling systems used in performing Class X and Class Y weighing services, official inspection services, and commercial services under the Act. All scales used for official grain weight and inspection certification services provided by FGIS shall meet applicable requirements contained in the FGIS Weighing Handbook, the General Code, the Scales Code, the Automatic Bulk Weighing Systems Code, and the Weights Code of the 1994 edition of National Institute of Standards and Technology (NIST) Handbook 44, "Specifications, Tolerances, and Other Technical Requirements for Weighing and Measuring Devices" (Handbook 44); and NIST HANDBOOK 105-1 (1990 Edition), "Specifications and Tolerances for Reference Standards and Field Standard Weights and Measures" (Handbook 105-1). These requirements are confirmed to be met by having National Type Evaluation Program or Federal Grain Inspection Service type approval. Scales used for commercial purposes will be required to meet only the applicable requirements of the 1994 edition of the NIST Handbook-44. Pursuant to the provisions of 5 U.S.C. 552(a), with the exception of the Handbook 44 requirements listed in paragraph (b) of this section, the materials in Handbooks 44 and 105-1 are incorporated by reference as they