referenced and calibrated to the FGIS solvent oil extraction method; and for determination of protein content shall be ±0.20 percent mean deviation from the national standard NIRS instruments, which are referenced and calibrated to the Combustion method, AOAC International Method 992.23.

(3) *NIRS corn oil, protein, and starch analyzers.* The maintenance tolerances for the NIRS analyzers used in performing official inspections for determination of corn oil shall be ±0.20 percent mean deviation from the national standard NIRS instruments, which are referenced and calibrated to the FGIS 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.

(4) NIRS barley protein analyzers. The maintenance tolerances for the NIRS analyzers used in performing official inspections for determination of barley protein content are 0.20 percent mean deviation from the national standard NIRS instruments, which are referenced and calibrated to the Combustion method, AOAC International Method 992.23.

[63 FR 35505, June 30, 1998, as amended at 69 FR 18803, Apr. 9, 2004; 71 FR 65373, Nov. 8, 2006]

§ 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
.064×3/8 inch oblong	±0.2 percent, mean deviation from standard sieve using wheat.	±0.3 percent, mean deviation from standard sieve using wheat
5/64×3/4 inch slotted	±0.3 percent, mean deviation from standard sieve using barley.	±0.5 percent, mean deviation from standard sieve using barley
5 5/64×3/4 inch slotted	±0.5 percent, mean deviation from standard sieve using barley.	±0.7 percent, mean deviation from standard sieve using barley
6/64×3/4 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 [Reserved]

§ 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 assure 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,