

Moisture range	Tolerance	
	Direct comparison	Sample exchange
Low .....	±0.15 percent moisture, mean deviation from standard moisture meter using Hard Red Winter wheat.	±0.20 percent moisture, mean deviation from standard moisture meter using Hard Red Winter wheat.
Mid .....	±0.10 percent moisture, mean deviation from standard moisture meter using Hard Red Winter wheat.	±0.15 percent moisture, mean deviation from standard moisture meter using Hard Red Winter wheat.
High .....	±0.15 percent moisture, mean deviation from standard moisture meter using Hard Red Winter wheat.	±0.20 percent moisture, mean deviation from standard moisture meter using Hard Red Winter wheat.

**§801.7 Tolerances for near-infrared spectroscopy (NIRS) analyzers.**

The chemical reference protein determinations used to reference and calibrate official NIRS instruments shall be performed in accordance with “Comparison of Kjeldahl Method for Determination of Crude Protein in Cereal Grains and Oilseeds with Generic Combustion Method: Collaborative Study,” July/August 1993, Ronald Bicsak, Journal of AOAC International Vol. 76, No. 4, 1993, and subsequently approved by the AOAC International as the Combustion method, AOAC International Method 992.23. This incorporation by reference was approved by the Director of the Federal Register in accordance with 5 U.S.C. 552(a) and 1 CFR part 51. Copies may be obtained from Director, Quality Assurance and Research Division, Federal Grain Inspection Service, 10383 North Executive Hills Blvd., Kansas City, MO 64153-1394. Copies may be inspected at the above address or at the Office of the Federal Register, 800 North Capitol Street, NW., 7th Floor, Suite 700, Washington, DC 20408.

(a) *NIRS wheat protein analyzers.* The maintenance tolerances for the NIRS analyzers used in performing official inspections for determination of wheat

protein content shall be ±0.15 percent mean deviation from the national standard NIRS instruments, which are referenced and calibrated to the Combustion method, AOAC International Method 992.23.

(b) *NIRS soybean oil and protein analyzers.* The maintenance tolerances for the NIRS analyzers used in performing official inspections for determination of soybean 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, 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.

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**§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 x 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 x 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 x 3/4 inch slotted .....	±0.5 percent, mean deviation from standard sieve using barley.	±0.7 percent, mean deviation from standard sieve using barley.
5/64 x 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: