

U.S. DEPARTMENT OF AGRICULTURE  
GRAIN INSPECTION, PACKERS AND STOCKYARDS ADMINISTRATION

**TESTWEIGHT CHECKTEST**

FORM APPROVED OMB. 0580-0013  
According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information is 0580-0013. The time required to complete this information collection is estimated to average 5 minutes per response, including the time for reviewing instructions, search existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

NOTE: TEST UNIT OPERATOR FILL IN SHADED AREAS ONLY

DATE MAILED	FIELD OFFICE	AGENCY	LOCATION
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**SCALE / BEAM TEST**

Before proceeding with test review Chapter 5 of the Equipment Handbook. Clean, level and balance the scale, filling apparatus, and kettle. Test weights must have a current Class F Report of Test.

Scale Brand / Model / Serial No. / Date of Test															
Scale Test for Electronic or Mechanical Grain Scales: This scale was tested in accordance with Chapter 2 of the Equipment Handbook and found to be within tolerance.													<input type="checkbox"/> Yes		
Beam Test: Complete test below. Tolerance is +/- 0.10 pound.															
Load		Beam Reading	Error	Load		Beam Reading	Error	Load		Beam Reading	Error	Sensitivity @ 60 lb/bu		Beam Response OK?	
g	lb			g	lb			g	lb			g	lb	g	lb
0	0			142	10			850	60			g	lb	Yes	No
71	5			425	30							850+1 g	60+1g		

**GRAIN TEST**

Before the Grain Test, check alignment of the funnel and kettle. Record results to 0.00 pound for mechanical or electronic scales. For beams, the 0.1 pound graduations should be estimated to ¼ graduations and recorded as 0.025, 0.050, 0.075, or 0.100 pounds. For each sample, strike the highest and lowest drops and average the remaining three results.

TEST UNIT Beam / Filler Brand & Serial No.				STANDARD UNIT Beam / Filler Brand & Serial No.				TEST SUMMARY				
Kettle Brand & Serial No.				Kettle Brand & Serial No.								
Drop	Sample 1	Sample 2	Sample 3	Drop	Sample 1	Sample 2	Sample 3		Sample 1	Sample 2	Sample 3	TOTAL
1				1				TEST UNIT	0.000	0.000	0.000	0.000
2				2				STD. UNIT	0.000	0.000	0.000	0.000
3				3				DIFFERENCE	0.000	0.000	0.000	0.000
4				4				Mean Deviation from Standard (Total Diff. ÷ 3)				
5				5				MDS Tolerance = 0.15 lb / bu IN TOLERANCE				
Avg				Avg				OUT OF TOLERANCE				
Results By:			Date:	Results By:			Date:	Remarks				

**VOLUME TEST**

Scale Used in Test / Brand / Model / Serial No.			Kettle Brand & Serial No.			Results By: / Date of Test:		
GROSS	- TARE	=	NET WEIGHT (1,098.08 g at 68 °F)			OR	Filled kettle ± 1.0 g of Standard counter weight.	<input type="checkbox"/> YES
			g					

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**TESTWEIGHT CHECKTEST**

FORM APPROVED  
Public reporting  
average .063 hr  
the time for copy  
and maintaining  
collection of info  
any other aspect  
reducing this bu  
AG Box 7830, V  
Regulatory Affai

NOTE: TEST UNIT OPERATOR FILL IN SHADED AREAS ONLY

DATE MAILED	2	FIELD OFFICE	3	AGENCY	LOC
7-1-96 1		Baltimore			P

**SCALE / BEAM TEST**

Before proceeding with test review Chapter 5 of the Equipment Handbook. Clean, level, and balance the scale, filling apparatus, and kettle. Test weights must have a

Scale Brand / Model / Serial No. / Date of Test  
**FAIRBANKS G140315 7-2-96**  
Scale Test for Electronic or Mechanical Grain Scales: This scale was tested in accordance with Chapter 2 of the Equipment Handbook and found to be within toleran  
Beam Test: Complete test below. Tolerance is  $\pm 0.10$  pound.

Load		Beam Reading	Error	Load		Beam Reading	Error	Load		Beam Reading	Error	Sen
g	lb			g	lb			g	lb			
0	0	0.000	0.000	142	10	10.0500	0.050	850	60	60.050	0.050	
(71)	5	5.000	0.000	425	30	30.000	0.000					850

**GRAIN TEST**

Before the Grain Test, check alignment of the funnel and kettle. Record results to 0.00 pound for mechanical or electronic scales. For beams, the 0.1 pound graduation recorded as 0.025, 0.050, 0.075, or 0.100 pounds. For each sample, strike the highest and lowest drops and average the remaining three results.

TEST UNIT Brand / Filler Brand & Serial No.				STANDARD UNIT Brand / Filler Brand & Serial No.				TEST SUMMARY	
Fairbanks G140315 6a				Mettler K98334 / Seedbuw #201					
KETTLE Brand & Serial No. Ohaus #103				KETTLE Brand & Serial No. Seedbuw #201				Sample 1	Sample 2
Drop	Sample 1	Sample 2	Sample 3	Drop	Sample 1	Sample 2	Sample 3	TEST UNIT	58.025 60
1	58.000	60.000	62.000	6c	58.00	60.00	62.05	STD. UNIT	58.013 60
2	58.025	60.050	62.075	2	57.91	60.10	62.00	DIFFERENCE	.012
3	58.025	60.050	62.050	3	57.94	59.89	62.07	Mean Deviation from Standard (Total Diff.	
4	58.050	59.075	62.025	4	58.12	60.08	62.01	MDS Tolerance = 0.15 lb / bu	
5	58.025	60.050	62.000	5	58.10	59.92	62.11		
Avg	58.025	60.034	62.026	6d	58.013	60.000	62.043		
Results By:	Paul M		Date:	7/2/96	Results By:	Ritch M		Date:	7/1/96
								Remarks:	Last volume wts tested 91

**VOLUME TEST**

Scale Used in Test / Brand / Model / Serial No.	7a	KETTLE Brand & Serial No.	7b	Results By / Date
GROSS	-	TARE	=	NET WEIGHT (1,098.08 $\pm$ 1.0 g at 68 °F.)
				OR Filled kettle $\pm$ 1.0 g of Standard counter weight.

OMB NO. 0580-0013  
 Burden for this collection of information is estimated to average 15 minutes per response and .001 hours of record keeping, including reviewing instructions, searching existing data sources, gathering the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any aspect of this collection of information, including suggestions for reducing the burden, to Department of Agriculture, Clearance Officer, OIRM, Washington, D.C. 20250; and to the Office of Information and Data Management, Office of Management and Budget, Washington, D.C.

STATION Baltimore MD 4

Current Class F Report of Test.

Scale  YES **5a**

Activity @ 60 lb/bu	Beam Response OK?
g	Yes No
+1 g	60 + 1 g ✓

Readings should be estimated to 1/4 graduations and

Sample 2	Sample 3	TOTAL
.034	62.025	180.084
.000	62.043	180.056
.034	-.018	0.028
+3)		0.01

IN TOLERANCE	✓
OUT OF TOLERANCE	

Test 7/94. **8**  
 195 Class F

Operator of Test: **jc**

YES

FORM FGIS-927, "TESTWEIGHT CHECKTEST"

INSTRUCTIONS FOR COMPLETING FORM FGIS-927, "TESTWEIGHT CHECKTEST"

- Date the test samples and form FGIS-927 are mailed to the agency, as applicable.
- FGIS field office participating in the test.
- Agency that performed the test, when applicable.
- Location of the field office or agency that is being tested.
- Complete either Scale Test or Beam Test.
  - Scale Test. Certify that the electronic (or mechanical, per appropriate instructions in Chapter 2).
  - Beam Test. Show the load in the kettle, the beam reading error. Do not fill in for electronic scales.
- Grain Test.
  - Test unit's brand and serial number.
  - Test unit's results, shown as indicated (or to 0.00 pound) bushel graduations shall be broken down into 1/4 increments and recorded.
  - For each sample, examine the five readings and strike through the two readings that are furthest from the average.
  - Average of the remaining three readings, shown to 0.000.
  - The summary "TOTAL" result for the Test Unit is the sum of the three averages.
  - Total Difference is divided by 3 to yield mean deviation from standard tolerance.
  - Mean deviation from standard tolerance is  $\pm 0.15$  lb/bu.
- Volume Test.
  - Record the brand, model and serial number of the scale.
  - Record the brand and serial number of the kettle.
  - Name of test operator and date.
  - For electronic balances, record the tare, gross, and net weight. The mean deviation from target value is  1.0 g.
- Remarks. Show date of last volume test, date that Class I



FGIS field office or

teral-class scale) has been tested in accordance with  
gs, and the error. Reading minus target weight equals

for electronic scales. For beams, the tenth pound per  
ead as 0.025, 0.050, 0.075, 0.100.

ie highest and the lowest result.

pound per bushel.

of the averages from Samples 1, 2 and 3.

m standard (MDS), shown to 0.01 lb/bu.

or balance used to test the kettle volume.

t weight. For mechanical balances, check mark "YES"

F weights were tested, etc.

