

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

TESTWEIGHT CHECKTEST

FORM APPROVED OMB. 0580-0013
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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. 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	Yes	No
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 Affa

NOTE: TEST UNIT OPERATOR FILL IN SHADED AREAS ONLY

DATE MAILED 7-1-96 ¹ FIELD OFFICE Baltimore ² AGENCY 3 LOC 4

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 ± 0.10 pound.

Load		Beam Reading	Error	Load		Beam Reading	Error	Load		Beam Reading	Error	Ser
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	
<u>Fairbanks G140315 6a</u>				<u>Mettler K98334 / Seedbu 201</u>					
KETTLE Brand & Serial No. <u>OHAKS #103</u>				KETTLE Brand & Serial No. <u>Seedbu #201</u>				Sample 1	Sample 2
Drop	Sample 1	Sample 2	Sample 3	Drop	Sample 1	Sample 2	Sample 3	TEST UNIT	STD. UNIT
1	58.000	60.000	62.000	6c	58.00	60.00	62.05	58.025	60
2	58.025	60.050	62.075	2	57.97	60.10	62.00	58.013	60
3	58.025	60.050	62.050	3	57.94	59.89	62.07	.012	
4	58.050	59.075	62.025	4	58.12	60.08	62.01	Mean Deviation from Standard (Total Diff.	
5	58.025	60.050	62.000	5	58.10	59.92	62.11	MDS Tolerance = 0.15 lb / bu	
Avg	58.025	60.034	62.026	6d	58.013	60.000	62.043		
Results By:	<u>[Signature]</u>		Date:	<u>7/2/96</u>	Results By:	<u>[Signature]</u>		Date:	<u>7/1/96</u>
								Remarks:	<u>Last volume wts tested 91</u>

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 other 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**

Sensitivity @ 60 lb/bu		Beam Response OK?	
g	lb	Yes	No
+1 g	60 + 1 g	<input checked="" type="checkbox"/>	<input type="checkbox"/>

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 rounded to the nearest 1/4 graduation.
 - 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 target.
 - Mean deviation from standard tolerance is ± 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. Mean deviation from target value is 1.0 g.
- Remarks. Show date of last volume test, date that Class I

FGIS field office or

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

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

Use the highest and the lowest result.

100 pound per bushel.

of the averages from Samples 1, 2 and 3.

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

100 lb or balance used to test the kettle volume.

100 lb weight. For mechanical balances, check mark "YES"

100 lb weights were tested, etc.

