Laboratory Scale Test								FORM APPROVED OMB NO. 0580-0013 According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a				
U.S. Department of Agriculture Grain Inspection, Packers & Stockyards Administration						perso contri time i respo	According to the Paperwork Reduction Act or 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 for this information collection is 0580-0013. The time required to complete this information collection is estimated to average 10 minutes per response and 3 seconds of recordkeeping, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing					
Clean, leve	el, and l	balance the	est, review Chap e scale, before sta ve a current Repo	arting.	Any tes	t weights neede	ook. ed to	ollection of informati			-	g
Date			Field	Field Office				Agency Location				
Scale make, model, and serial No.:					Ca	Capacity x division size (d):			d):			
			Type of use, <u>not</u> tolerances, regar				oman numer	al II or III on the	front or the i.d. p	late. A marked	scale i	s tested using
	Class II					Class III						
	No. of Div.		Tol.		No. of	Div.	Tol.					
		Class II	0	-5,000		1d		0-50	00	1d	C	ass III
			5,00	1-20,0	00	2d		501-2,	000	2d		
			20	0,001+		3d		2,001-4	1,000	3d		
								4,00.	1+	5d		
			according to eac al (and separatio					ons from work p	portions $\leq 100 \text{ g}$,	Moisture (and s	separat	ions from work
	Турє	9		Туре		d		Test L	oads Required		7	ol.
			Prec	Precision, etc.		0.01 g		1, 2, 3, 4, 5, 6, 7	7, 8, 9, 10, 20, 50,	, 100 g	0.0)2 g
			Mois	Moisture, etc.		0.1		above plus 150	0, 200, 250, 300,	00 g 0.2		.2
			Gen	General, etc.		1	ć	above plus 500, 600, 700, 1000, 1500				1
trig loop (o 4. Shift	r readir Test	ngs should Place weig	change by at leas	of the	division) maximu	. Repeat the te	est at the scal	e's maximum to he increasing lo	indicator should r est load pad test) halfway		of the	1 2 3
Г			Quadrant 1		Oı	ıadrant 2	Quad	drant 3	Quadrant 4	4	$\overline{}$	
-	Rea	ading	Quadrant 1		Į ,	iadrant 2	Qua	arant o	Quadrant	<u>. </u>	4	
below. For	r unmai	rked scales	or <i>marked</i> scales test at each load ve for the type of	l indica	ted abo				s indicated he scale accordin	6. <u>De</u>		sing Load
Test I	Load	Indication	n Test Load	Test Load Indication		Test Load	Indication	Test Load	Indication		ng wei	est while ghts from the
10			7g	1		100g		500	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	incica	Jing IUa	a icoi.
2	_		8			150		600	 	Test L	nad	Indication
l								+				Indication
3			9			200		700	 		00	
4			10			250		1000	 		00	
5			20			300		1500		5	0	
6	5		50			400						
										Test L	oad	Indication
7. <u>Balar</u>	nce C	<u>hange</u> .	Record the maxii	num no	o-load ir	ndication during	the above te	sts. Tolerance	is 1d.		0	
ı. <u>Daidi</u>	IICE C	<u>nanyt</u> .	necolu lile iliaxii	nulli II(riuau ii	iurcanon dunng	uie above le	sasa. TURTATICE	is 1u.		<u>. </u>	

Disapproved

Tested by:

Approved □

Laboratory Scale Test												
J.S. Department of Agriculture Grain Inspection, Packers, & Stockyards Administration							FORM APPROVED OMB NO, 0580-0013 According to the Paperwork Reduction Act of 1995, no persons are required to respond to a color information unless it displays a valid OMB control number. The valid OMB control number information celection is 0550-0013. The time required to complete this information collection is					
Before proceeding with this test, review Chapter 2 of the Equipment Handbook. Clean, level, and balance the scale, before starting. Any test weights needed to determine accuracy must have a current Report of Test to Class F tolerances.						Information collection is societives. The time required to complete this information collection estimated to average 10 influence per response and 3 seconds of recordiseping, including the reviewing instructions, searching existing data sources, gathering and maintaining the data in and completing and reviewing the collection of information.						
ate 1	mccs.	Field C	ffice	2		Ag	ency	3	L	ocation	1	
cale mak	ke, mode	l, and serial	No.:			Ca	pacity x d	ivision size	e (d):		r	
		Type of use, no			roma	an nume	ral II or III on I	the front or the	i.d. plate.	Gnarked scale	s tested us	
			Class	3 //				Class III		1		
		1	lo. of Div.	Tol.			No.	of Div.	Tol.	Class III		
			0-5,000	1d			0-	500	1d			
_	Class	y 5,	001-20,000	20			501-	-2,000	2d	•	7	
7			20,001 +	3d			2,00	1-4,000	3d	1	1	
•							4,0	101 +	5d]		
		Prenioinn etn	0.010			1	2345678	0 10 20 50 100	a	0.02 a	_	
Precision, etc. 0.01 g											_	
?		Precision, etc. Moisture, etc.	0.01 g 0.1	1				9, 10, 20, 50, 100 00, 250, 300, 400 g		0.02 g		
3			0.1		(max	a	above plus 150, 20 bove plus 500, 600		1	-		
Class F Zero ba Sensitiv of the trig k Shift Te	weights llance the vity Mecha oop (or reac	Moisture, etc. General, etc. used in this exar scale before the nical scales only fings should cha reight of approx. i each quadrant.	n were last test sensitivity test, At zero, add nge by at least	ed on this date shift test and ir weight equal to one division). F mum test load (c tolerance for t	one s	imum 3 sing load scale div at the tes ed during	above plus 150, 20 bove plus 500, 600 years) I test. ision. The scit at the scale y the increasing the increas	20, 250, 300, 400 g 10, 700, 1000, 1500 ale indicator s 10 s maximum te 10 load test) h	g hould movest load.	0.2		
Class F Zero ba Sensitiv of the trig k Shift Te	weights llance the vity Mecha oop (or reac st Place w the edge of	Moisture, etc. General, etc. used in this exar scale before the nical scales only lings should chai	n were last test sensitivity test, At zero, add nge by at least	ed on this date shift test and in weight equal to one division). If	one s	imum 3 sing load scale div at the tes ed during	above plus 150, 20 bove plus 500, 600 years) I test. ision. The sci	20, 250, 300, 400 g 10, 700, 1000, 1500 ale indicator s 10 s maximum te 10 load test) h	ehould mov	0.2		
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Class F Zero ba Sensitiv of the trig k Shift Te center and Read Increasi indicated by aluate the s	weights llance the vity Mecha oop (or read st Place w the edge of ding ling Load elow. For u scale accord	Moisture, etc. General, etc. used in this exars scale before the nical scales only, lings should chair reight of approx. feach quadrant. Quadrant 1 For marked scales ing to the tolerar	n were last test sensitivity test, At zero, add v nge by at least 1/2 of the maxin Apply the basic	ed on this date shift test and ir weight equal to one division). If mum test load (to tolerance for to tuadrant 2 In load from 1g to di indicated above, for the type	one s Reperior	asing load sing load at the test of Scrippe	phove plus 150, 20 pove plus 500, 600 pyears) I test. Ision. The scale the scale and test lo drant 3 pax. capacity) of the scale's the s	ale indicator s s maximum teng load test) h Quad as	g hould movest load.	ve to the 6. Decreas Perform this removing we the increasing	test while ights from g load test	
Class F Zero ba Sensitiv of the trig lo Shift Te center and Increasi indicated be aluate the s	weights llance the vity Mecha oop (or read st Place w the edge of ding ling Load elow. For u scale accord	Moisture, etc. General, etc. used in this exar scale before the nical scales only, lings should cha reight of approx. each quadrant. Quadrant 1 For marked scal marked scales ing to the tolerar Test Load	n were last test sensitivity test, At zero, add v nge by at least 1/2 of the maxin Apply the basic	ed on this date shift test and ir weight equal to one division). F mum test load (c tolerance for t quadrant 2	one s Reperior	asing load sing load at the test of Scrippe	above plus 150, 20 pove plus 500, 600 pyears) I test. ision. The scit at the scale of the increasing ale and test lood drant 3 Test Load	ale indicator s s maximum teng load test) h Quad as	g hould movest load.	e to the Ween 6. Decreas Perform this removing we the increasir Test Load	test while ights from g load test	

Test Load	Indication						
1g		7g		100g		500	
2		8		150		600	
3 1	0	9		200		700	
4	U	10		250		1000	
5		20		300		1500	
6		50		4000			

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Indication
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		l .	1	-	l				
7 Balanc	e Change	Record the	mavimum no-l	oad indication	during the abo	ve tests. Tole	erance is 1d		Tes
7. <u>Balano</u>	<u>c Gnange</u>	. Itooora tiio i	TIOMITION TO	oud maioution	duming the disc	770 to5t5. TOR	orunoc is ra.	40	
proved	10		proved		Tested	By: 1 4		12	
M FGIS-904 (1-02) (Pre ous e tior	ns are obsolete.)				14			

	Test Load	Indication
	0	
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Approved	Disapproved	Tested By: 1
ORM FGIS-904 (1-02) (Pret ous e	tions are obsolete.)	14

o respond to a collection control number for this ation collection is g, including the time for

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ng load test.

Indication

Indication

INSTRUCTIONS FOR COMPLETING FORM FGIS-904, "LABORATORY SCALE TEST"

- 1. Date the test was performed.
- 2. Field office that performed or supervised the performance of the test.
- 3. Agency that performed the test, when applicable.
- 4. Location of the field office or agency that performed the test.
- 5. Name of the manufacturer, model number, and scale serial number.
- 6. Maximum rated scale capacity and the minimum scale division size.
- 7. Indicate with a check mark if the scale is marked with an accuracy cla
- 8. Indicate with one or more check marks the application of the unmarke moisture, or general.
- 9. Record scale indications from the shift test.
- Increasing Load Test Test marked scales at each test load indicated capacity, whichever is less. Test unmarked scales at each test load sl
- 11. Decreasing Load Test Test marked scales at each load indicated, as unmarked scales at approximately ½ the maximum test load used in t If the scale is mechanical, do not perform the test or complete this po
- 12. Balance Change Scale indication with zero load at completion of te
- 13. Has the scale met all requirements of the pre-test inspection as well accuracy tests?
- 14. Name of the person who performed this test.

FAX Number (202) 720-1015

GIPSA, Field Management Division

Return Form To: Retain in official file.

Any Questions Call: Local GIPSA field Office.

ss, such as Class II.

d scale; precision,

up to 1,500 g or hown in the table checked off in item 8, above.

appropriate. Test the increasing load test. ortion.

sting must be ≤ 1 division.

as each (all) of the