



Dave Heineman
Governor

State of Nebraska

DEPARTMENT OF AGRICULTURE
GREGORY A. IBACH
Director

*Nebraska Standards Laboratory
3721 West Cuming Street
Lincoln, NE 68524*

CERTIFICATION FOR STANDARDS OF MEASUREMENT

Agency: Dept. of Ag. - Weights & Measures
(Pup Trailer)
Lincoln, NE 68524-

Date: 9/23/2010
Agency ID: 85
NE Cert No: 20100126
P.O. No:

Submitted By:

Electronic Copy Page 1

<u>Denomination</u>	<u>Serial Number</u>	<u>Weight Number</u>	<u>Tolerance Class</u>
1000 lb	C-1	1	F
1000 lb	C-10	1	F
1000 lb	C-11	1	F
1000 lb	C-13	1	F
1000 lb	C-14	1	F
1000 lb	C-16	1	F
1000 lb	C-17	1	F
1000 lb	C-19	1	F
1000 lb	C-2	1	F
1000 lb	C-20	1	F
1000 lb	C-22	1	F
1000 lb	C-23	1	F
1000 lb	C-3	1	F
1000 lb	C-4	1	F
1000 lb	C-5	1	F
1000 lb	C-7	1	F
1000 lb	C-8	1	F
1000 lb	C-9	1	F
1000 lb	WME16	1	F
1000 lb	WME18	1	F
1000 lb	WME8	1	F

Department of Agriculture, 301 Centennial Mall South
Web Site: www.agr.ne.gov

Administration
P.O. Box 94947
Lincoln, NE 68509-4947
(402) 471-2341
FAX: (402) 471-6876

Agriculture Laboratories
3703 South 14th Street
Lincoln, NE 68502-5399
(402) 471-2176
FAX: (402) 471-0091

Bureau of Animal Industry
P.O. Box 94987
Lincoln, NE 68509-4787
(402) 471-2351
FAX: (402) 471-6893

Bureau of Dairies & Foods
P.O. Box 95064
Lincoln, NE 68509-5064
(402) 471-2536
FAX: (402) 471-2759

Bureau of Plant Industry
P.O. Box 94956
Lincoln, NE 68509-4756
(402) 471-2394
FAX: (402) 471-6892

Weights and Measures
P.O. Box 94757
Lincoln, NE 68509-4757
(402) 471-4292
FAX: (402) 471-2759

Agency: Dept. of Ag. - Weights & Measures
(Pup Trailer)
Lincoln, NE 68524-

Date: 9/23/2010
Agency ID: 85
NE Cert No: 20100126
P.O. No:

Submitted By:

Electronic Copy

Page 2

<u>Denomination</u>	<u>Serial Number</u>	<u>Weight Number</u>	<u>Tolerance Class</u>
---------------------	----------------------	----------------------	------------------------

These field standards have been compared with our reference standards and found to be within the tolerances for their class, or condemned, as prescribed by the National Institute of Standards and Technology. These field standards also meet the required specifications.

The reference standards used are traceable to the National Institute of Standards and Technology (NIST). Our traceability is maintained through control charts, regional inter-comparisons and periodic recertifications. This certificate is issued by the Nebraska Department of Agriculture / Division of Weights and Measures. Reproduction of this certificate must include the entire document (including all attached papers).

- See 'Test Results' attached*
- See report/letter attached*



Craig E. Olsen

Nebraska State Metrologist

**Nebraska Standards Laboratory
3721 West Cuming Street
Lincoln, NE 68524
(402) 471-2087**

SOP 8 - Modified Substitution Test Results

Form No.: NE04LF9-R00

Agency ID: 85
Agency: Dept. of Ag. - Weights & Measures
(Pup Trailer)
Lincoln, NE 68524-

NE Cert No: 20100126
Date: 9/23/2010
P.O. No:
Observer: CEO

Submitted By:

Electronic Copy

Page 1 of 1

Serial Number	Wt. No.	Retest No.	Denom.	Comparator used	Standard Used	Error of test weight	Tolerance	Uncertainty	Accepted or Rejected
C-1	1	0	1000 lb	KC500-1	C24	-14.4925817 g	45 g	2.5855327 g	A
C-10	1	0	1000 lb	KC500-1	C24	-6.6925817 g	45 g	2.5855327 g	A
C-11	1	0	1000 lb	KC500-1	C24	-4.7925817 g	45 g	2.5855327 g	A
C-13	1	0	1000 lb	KC500-1	C24	20.7074183 g	45 g	2.5855327 g	A
C-14	1	0	1000 lb	KC500-1	C24	26.8074183 g	45 g	2.5855327 g	A
C-16	1	0	1000 lb	KC500-1	C24	-15.1925817 g	45 g	2.5855327 g	A
C-17	1	0	1000 lb	KC500-1	C24	5.8074183 g	45 g	2.5855327 g	A
C-19	1	0	1000 lb	KC500-1	C24	7.0074183 g	45 g	2.5855327 g	A
C-2	1	0	1000 lb	KC500-1	C24	-11.2925817 g	45 g	2.5855327 g	A
C-20	1	0	1000 lb	KC500-1	C24	27.4074183 g	45 g	2.5855327 g	A
C-22	1	0	1000 lb	KC500-1	C24	-2.6925817 g	45 g	2.5855327 g	A
C-23	1	0	1000 lb	KC500-1	C24	33.2074183 g	45 g	2.5855327 g	A
C-3	1	0	1000 lb	KC500-1	C24	-11.3925817 g	45 g	2.5855327 g	A
C-4	1	0	1000 lb	KC500-1	C24	1.6074183 g	45 g	2.5855327 g	A
C-5	1	0	1000 lb	KC500-1	C24	-27.1925817 g	45 g	2.5855327 g	A
C-7	1	0	1000 lb	KC500-1	C24	-20.8925817 g	45 g	2.5855327 g	A
C-8	1	0	1000 lb	KC500-1	C24	-8.6925817 g	45 g	2.5855327 g	A
C-9	1	0	1000 lb	KC500-1	C24	-16.9925817 g	45 g	2.5855327 g	A
WME16	1	0	1000 lb	KC500-1	C24	57.4074183 g	45 g	2.5855327 g	R
WME16	1	1	1000 lb	KC500-1	C24	-1.4925817 g	45 g	2.5855327 g	A
WME18	1	0	1000 lb	KC500-1	C24	53.8074183 g	45 g	2.5855327 g	R
WME18	1	1	1000 lb	KC500-1	C24	5.8074183 g	45 g	2.5855327 g	A
WME8	1	0	1000 lb	KC500-1	C24	49.7074183 g	45 g	2.5855327 g	R
WME8	1	1	1000 lb	KC500-1	C24	6.8074183 g	45 g	2.5855327 g	A

Retest number - 0 indicates "as received" error / 1 indicates "adjusted to" error

The uncertainty of measurement is determined using the uncertainty of the reference standard(s), standard deviation of the process, environmental factors and bias using a RSS calculation. Uncertainty values are calculated using a K factor of 2.

"As received" values for weights may not be a true "as found" value because these weights could have been cleaned and/or repainted prior to submission to this lab. Due to handling, storage and/or environmental factors; the reported values are valid only while test items are within our control. No calibration period or interval is given with this report. We can not guarantee accuracy of results beyond the controls of our laboratory.