

State of South Carolina Department of Agriculture

Metrology Laboratory

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Commissione	Γ.		
		CERTIFICATE OF CALIBRATIO FOR	<u>N</u>
	One weight set ranging	g from 100 grams through 5 kilograms o	consisting of 8 test standards.
	Manufacturer Rice Lake	Serial Number MP0072	State Test Number SC120703-3-17
Porter Scales 1721 Lake Whee Raleigh, NC 276		Submitted by	
		een compared with the standards of the s	
Date of Test:	05/23/17		Robert L. McGee, Director Metrology Laboratory
Comments:			
which is comp through traini	pliant with the ISO/IEC	17025, 2005 standard. The laboratory ha	lity Management System version 6, Jan 2010 as demonstrated measurement proficiency Certificate of Measurement Traceability
	eable to the National Inst		nits (SI) through South Carolina primary ugh NIST Test Numbers 684/283739-13,
Calibration Due	Date:05/31/19		
Purchase Order No	umber: FG04102017		

South Carolina Department of Agriculture Supplemental Calibration Data

Serial Number

State Test Number

Rice Lake MP0072 SC120703-3-17

1. Identification or serial number of standard (s) used to perform the calibration.

SC Mass Standards Set B

2. Identification or serial numbers of the NIST standard (s) to which state standards (s) is traceable.

684/283739-13, 684/288167-16

3. Controlled conditions employed for the calibration, i.e., temperature and humidity, etc.

Temperature: 22.24 °C to 22.66 °C Humidity: 53.06 % to 54.74 % RH

4. Identification of the procedure (s) followed for the calibration.

Comparison with mass standards using procedure SOP 4 from NIST IR 6969

5. Date of calibration. Date received. 05/23/17 04/14/17

Manufacturer

6. The calibration values reported below are Conventional Mass corrections based on a reference density of 8.0 g/cm³ and a reference temperature of 20 °C. Note: If the standard was not adjusted the "As Found" and "As Left" values are the same.

Weight Identification	Nominal	"As Found" Correction (mg)	"As Left" Correction (mg)	Uncertainty (mg)	Tolerance (mg)	Assumed Density (g/cm³)
	100 g	0.05		0.04	0.5	7.95
	200 g	-0.2		0.2	1	7.95
	300 g	0.0		0.2	1.5	7.95
	500 g	0.4		0.2	2.5	7.95
	1 kg	0.8		0.2	5	7.95
	2 kg	2.5		0.7	10	7.95
	3 kg	3		6	15	7.95
	5 kg	10		6	25	7.95
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The measurement uncertainty is calculated at k=2 for an approximate 95 percent confidence level.

The uncertainties reported represent conditions at time of test.