United States Department of Commerce
National Institute of Standards and Technology

Certificate of Accreditation to ISO/IEC 17025:2017

NVLAP LAB CODE: 200560-0

Florida Department of Agriculture Metrology Laboratory

Tallahassee, FL

is accredited by the National Voluntary Laboratory Accreditation Program for specific services, listed on the Scope of Accreditation, for:

Calibration Laboratories

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communique on ISO/IEC 17025).

2025-06-05 through 2026-06-30

Effective Dates

For the National Voluntary Laboratory Accreditation Program

National Voluntary

Laboratory Accreditation Program

CALIBRATION LABORATORIES **NVLAP LAB CODE 200560-0**

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

Florida Department of Agriculture Metrology Laboratory 3125 Conner Blvd. Lab #2 Tallahassee, FL 32399-1650 Ms. Chambray Dowdell Phone: 850-410-3667 Fax: 850-921-1593 E-mail: chambray.dowdell@fdacs.gov URL: http://www.fdacs.gov	**Fields of Calibration** Mechanical This laboratory is compliant to ANSI/NCSL Z540-1-1994; Part 1. (NVLAP Code: 20/A01)

CALIBRATION AND MEASUREMENT CAPABILITIES (CMC) Notes 1,2

Measured Parameter or Device Calibrated	Range	Expanded Uncertainty Note 3	Remarks
MECHANICAL			
MASS DETERMINATION (20/M08)			
Metric	10 kg	4.2 mg	Echelon II
	5 kg	3.1 mg	
	3 kg	1.3 mg	
	2 kg	0.87 mg	
	1 kg	0.21 mg	
	500 g	0.28 mg	
	300 g	0.073 mg	
	200 g	0.24 mg	
	100 g	0.04 mg	
	50 g	0.018 mg	
	30 g	0.017 mg	
	20 g	0.0074 mg	
	10 g	10 µg	
	5 g	7.4 µg	
	3 g	5 µg	
	2 g	4.7 µg	
	1 g	5 µg	
	500 mg	4.1 µg	
	300 mg	3.9 µg	
	200 mg	4 µg	

2025-06-16 through 2026-06-30
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CALIBRATION AND MEASUREMENT CAPABILITIES (CMC) Notes 1,2

Measured Parameter or Device Calibrated	Range	Expanded Uncertainty Note 3	Remarks
	100 mg	3.8 µg	
	50 mg	3.9 µg	
	30 mg	3.8 µg	
	20 mg	3.8 µg	
	10 mg	3.8 µg	
	5 mg	3.8 µg	
	3 mg	3.9 µg	
	2 mg	3.8 µg	
	1 mg	3.8 µg	
Avoirdupois	1000 lb	2.3 g	Echelon II
	500 lb	1.6 g	
	20 lb	4.2 mg	
	10 lb	3.1 mg	
	5 lb	0.9 mg	
	3 lb	0.82 mg	
	2 lb	0.21 mg	
	1 lb	280 µg	
	0.5 lb	240 µg	
	0.3 lb	40 µg	
	0.2 lb	40 µg	
	0.1 lb	18 µg	
	0.05 lb	8 µg	
	0.03 lb	11 µg	
	0.02 lb	10 µg	
	0.01 lb	7.6 µg	
	0.005 lb	4.7 µg	
	0.003 lb	5.2 µg	
	0.002 lb	5.1 µg	
	0.001 lb	4.1 µg	

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CALIBRATION AND MEASUREMENT CAPABILITIES (CMC) Notes 1,2

Measured Parameter or Device Calibrated	Range	Expanded Uncertainty Note 3	Remarks
	8 oz	240 µg	
	4 oz	40 µg	
	2 oz	18 µg	
	1 oz	17 µg	
	1/2 oz	11 µg	
	1/4 oz	10 µg	
	1/8 oz	5.2 µg	
	1/16 oz	4.7 µg	
	1/32 oz	5.1 µg	
Metric	500 kg	3.1 g	Echelon III
	250 kg	2.0 g	
	25 kg	0.16 g	
	20 kg	0.12 g	
	10 kg	0.064 g	
	5 kg	30 mg	
	3 kg	18 mg	
	2 kg	12 mg	
	1 kg	5.9 mg	
	500 g	4.1 mg	
	300 g	3.5 mg	
	200 g	2.4 mg	
	100 g	1.2 mg	
	50 g	0.59 mg	
	30 g	0.35 mg	
	20 g	0.24 mg	
	10 g	0.12 mg	
	5 g	0.092 mg	
	3 g	0.079 mg	
	2 g	0.07 mg	
	1 g	0.058 mg	
	500 mg	44 µg	
	300 mg	38 µg	
	200 mg	33 µg	

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CALIBRATION AND MEASUREMENT CAPABILITIES (CMC) Notes 1,2

Measured Parameter or Device Calibrated	Range	Expanded Uncertainty Note 3	Remarks
	100 mg	28 µg	
	50 mg	20 µg	
	30 mg	19 µg	
	20 mg	16 µg	
	10 mg	12 µg	
	5 mg	13 µg	
	3 mg	13 µg	
	2 mg	11 µg	
	1 mg	9.8 µg	
Avoirdupois	1000 lb	3.2 g	Echelon III
	500 lb	1.8 g	
	50 lb	0.13 g	
	30 lb	0.084 g	
	25 lb	0.071 g	
	20 lb	0.058 g	
	10 lb	27 mg	
	5 lb	13 mg	
	3 lb	8.2 mg	
	2 lb	5.3 mg	
	1 lb	4.1 mg	
	0.5 lb	2.7 mg	
	0.3 lb	1.7 mg	
	0.2 lb	1.1 mg	
	0.1 lb	0.54 mg	
	0.05 lb	0.27 mg	
	0.03 lb	0.17 mg	
	0.02 lb	0.11 mg	
	0.01 lb	0.089 mg	
	0.005 lb	0.072 mg	
	0.003 lb	0.064 mg	
	0.002 lb	0.057 mg	
	0.001 lb	48 µg	

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CALIBRATION AND MEASUREMENT CAPABILITIES (CMC) Notes 1,2

Measured Parameter or Device Calibrated	Range	Expanded Uncertainty Note 3	Remarks
	8 oz	2.7 mg	
	4 oz	1.3 mg	
	2 oz	0.68 mg	
	1 oz	0.33 mg	
	1/2 oz	0.17 mg	
	1/4 oz	0.1 mg	
	1/8 oz	0.083 mg	
	1/16 oz	0.064 mg	
	1/32 oz	0.056 mg	
Weight Carts	5000 lb	96 g	NIST HB 105-8
	4000 lb	79 g	
	3000 lb	61 g	
VOLUME AND DENSITY (20/M12)			
Volume	1500 gal	0.17 gal	Volume Transfer Method
	1000 gal	0.12 gal	
	500 gal	0.071 gal	
	200 gal	0.024 gal	
	100 gal	0.012 gal	
	60 gal	0.0074 gal	
	50 gal	0.0068 gal	
	10 gal	0.002 gal	
	5 gal	0.0012 gal	4 in neck
	5 gal	0.00098 gal	3 in neck
	5 gal	0.00095 gal	"J"
Liquefied Petroleum Gas Prover (LPG)	100 gal	0.016 gal	Volume Transfer Method
	25 gal	0.0038 gal	
END			

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Notes

Note 1: A Calibration and Measurement Capability (CMC) is a description of the best result of a calibration or measurement (result with the smallest uncertainty of measurement) that is available to the laboratory's customers under normal conditions, when performing more or less routine calibrations of nearly ideal measurement standards or instruments. The CMC is described in the laboratory's scope of accreditation by: the measurement parameter/device being calibrated, the measurement range, the uncertainty associated with that range (see note 3), and remarks on additional parameters, if applicable.

Note 2: Calibration and Measurement Capabilities are traceable to the national measurement standards of the U.S. or to the national measurement standards of other countries and are thus traceable to the internationally accepted representation of the appropriate SI (Système International) unit.

Note 3: The uncertainty associated with a measurement in a CMC is an expanded uncertainty with a level of confidence of approximately 95 %, typically using a coverage factor of $k = 2$. However, laboratories may report a coverage factor different than $k = 2$ to achieve the 95 % level of confidence. Units for the measurand and its uncertainty are to match. Exceptions to this occur when marketplace practice employs mixed units, such as when the artifact to be measured is labeled in non-SI units and the uncertainty is given in SI units (Example: 5 lb weight with uncertainty given in mg).

Note 3a: The uncertainty of a specific calibration by the laboratory may be greater than the uncertainty in the CMC due to the condition and behavior of the customer's device and specific circumstances of the calibration. The uncertainties quoted do not include possible effects on the calibrated device of transportation, long term stability, or intended use.
Note 3b: As the CMC represents the best measurement results achievable under normal conditions, the accredited calibration laboratory shall not report smaller uncertainty of measurement than that given in a CMC for calibrations or measurements covered by that CMC.
Note 3c: As described in Note 1, CMCs cover calibrations and measurements that are available to the laboratory's customers under *normal conditions.* However, the laboratory may have the capability to offer special tests, employing special conditions, which yield calibration or measurement results with lower uncertainties. Such special tests are not covered by the CMCs and are outside the laboratory's scope of accreditation. In this case, NVLAP requirements for the labeling, on calibration reports, of results outside the laboratory's scope of accreditation apply. These requirements are set out in Annex A.1.h. of NIST Handbook 150, Procedures and General Requirements.

Note 4: Uncertainties associated with field service calibration may be greater as they incorporate on-site environmental contributions, transportation effects, or other factors that affect the measurements. (This note applies only if marked in the body of the scope.)

Note 5: Values listed with percent (%) are percent of reading or generated value unless otherwise noted.

Note 6: NVLAP accreditation is the formal recognition of specific calibration capabilities. Neither NVLAP nor NIST guarantee the accuracy of individual calibrations made by accredited laboratories.

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