



PERRY JOHNSON LABORATORY ACCREDITATION, INC.

Certificate of Accreditation

Perry Johnson Laboratory Accreditation, Inc. has assessed the Laboratory of:

***University of Georgia's
Center for Applied Isotope Studies
120 Riverbend Rd, Athens, GA 30602***

*(Hereinafter called the Organization) and hereby declares that Organization is accredited
in accordance with the recognized International Standard:*

ISO/IEC 17025:2005

This accreditation demonstrates technical competence for a defined scope and the
operation of a laboratory quality management system
(as outlined by the joint ISO-ILAC-IAF Communiqué dated April 2017):

***Radiocarbon and Stable Isotope Ratio Mass Spectrometry
of
Biological and Chemical Materials
(As detailed in the supplement)***

Accreditation claims for such testing and/or calibration services shall only be made from addresses referenced within this
certificate. This Accreditation is granted subject to the system rules governing the Accreditation referred to above, and the
Organization hereby covenants with the Accreditation body's duty to observe and comply with the said rules.

For PJLA:

Initial Accreditation Date:

April 2, 2016

Issue Date:

May 8, 2018

Expiration Date:

May 8, 2020

Accreditation No.:

87144

Certificate No.:

L18-218

Tracy Szerszen
President/Operations Manager

Perry Johnson Laboratory
Accreditation, Inc. (PJLA)
755 W. Big Beaver, Suite 1325
Troy, Michigan 48084

*The validity of this certificate is maintained through ongoing assessments based on a
continuous accreditation cycle. The validity of this certificate should be
confirmed through the PJLA website: www.pjllabs.com*



Certificate of Accreditation: Supplement

University of Georgia's Center for Applied Isotope Studies

120 Riverbend Rd., Athens, GA 30602

Contact Name: Randy Culp Phone: 706-542-1395

Accreditation is granted to the facility to perform the following testing:

FIELD OF TEST	ITEMS, MATERIALS OR PRODUCTS TESTED	SPECIFIC TESTS OR PROPERTIES MEASURED	SPECIFICATION, STANDARD METHOD OR TECHNIQUE USED	RANGE (WHERE APPROPRIATE) AND DETECTION LIMIT
Biological and Chemical ^F	Carbon containing products	Radiocarbon (¹⁴ C) content.	ASTM D6866-16 methods B and C	0 pMC to 500 pMC D.L. = 0.14 pMC
		Stable Isotope Ratio (¹³ C/ ¹² C)	Stable Isotope Ratio by Isotope Ratio Mass Spectrometry (IRMS)	20 µg to 10 000 µg Carbon D.L. = 20 mV Carbon signal
	Nitrogen containing products	Stable Isotope Ratio (¹⁵ N/ ¹⁴ N)		50 µg to 10 000 µg Nitrogen D.L. = 20 mV Nitrogen signal
	Oxygen containing products	Stable Isotope Ratio (¹⁸ O/ ¹⁶ O)		100 µg to 10 000 µg Oxygen D.L. = 20 mV Oxygen signal
Hydrogen containing products	Stable Isotope Ratio Mass Spectrometry (D/H)	100 µg to 10 000 µg Hydrogen D.L. = 20 mV Hydrogen signal		

- The presence of a superscript F means that the laboratory performs testing of the indicated parameter at its fixed location. Example: Outside Micrometer^F would mean that the laboratory performs this testing at its fixed location.