



Center for Applied Isotope Studies
 120 Riverbend Road
 Athens, Georgia 30602
 TEL 706-542-1395 | FAX 706-542-6106
 biobase@uga.edu
 www.cais.uga.edu

Certificate of Analysis

March 8, 2022

François Loin
 POLLET S.A.
 Rue de la Grande Couture 20
 B-7501 Tournai (Orcq)
 Belgium

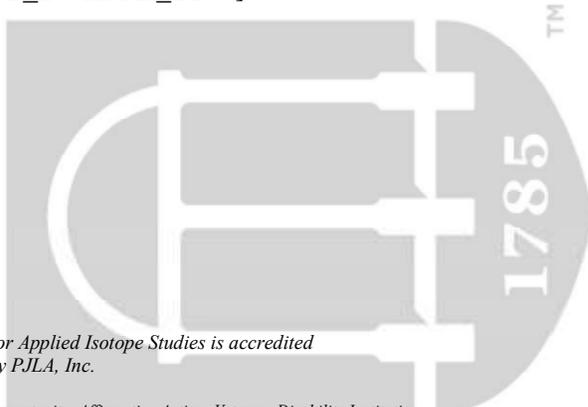
Listed below are the isolated results for the ASTM method D6866-20 Radiocarbon (¹⁴C) determination with the stable carbon isotope ratio (δ¹³C) analyses and their correction for the following sample received by our laboratory on 2/11/2022 and completed on 3/7/2022.

Sample ID/USDA#	¹⁴ C (Meas.) (pMC)	SD	δ ¹³ C (‰ VPDB)	¹⁴ C (Corr.) (pMC)	% Biobase Carbon	SD
CAPS grease out, USDA# 10308/ 220166	33.06	0.15	-28.18	33.27	33	1

Percent Biobased Carbon is determined from the measured ¹⁴C in percent Modern Carbon (pMC) and corrected for isotopic fractionation based on measured δ¹³C value (‰ V-PDB). The corrected ¹⁴C activity in pMC is then divided by the 2018 reference ¹⁴C activity of 100.0 pMC, which represents the equivalence to the 1950 ¹⁴C reference activity of 13.56 dpm/gC corrected for bomb-produced ¹⁴C, and finally multiplied times 100. The % Biobase Carbon and Standard Deviation (SD) are rounded to the nearest integer. Measured ¹⁴C is normalized using NIST Standard Reference Material 4990C Oxalic acid.

Authorized by,

Michael C Marshall, PhD
 Assistant Research Scientist & Quality Manager
 C.A.I.S. Inv. No: [NPI220815]
 Certificate#: [POLLET_1-61244I_1159]



The University of Georgia Center for Applied Isotope Studies is accredited to ISO/IEC 17025:2017 standard by PJLA, Inc.

The University of Georgia is an Equal Opportunity, Affirmative Action, Veteran, Disability Institution

