CENTER
FOR PHYSICAL SCIENCES
AND TECHNOLOGY

Mass Spectrometry Laboratory
Saulėtekio ave. 3, LT-10222 Vilnius, Lithuania.
Mobile: +370 614 65313, E-mail: zilvinas.ezerinskis@ftmc.lt

Vilnius Radiocarbon
Performed by

DATING CERTIFICATE

No. 2022-02-21-FTMC-LH14

24th March 2022

1. Applicant for analysis: Carlos Javier Arzapalo Bedón, SEACORP PERU, Enrique Palacios 360, Of 605, Miraflores, Peru
2. Material of sample: Shell
3. Date of sample receiving: 2022-02-18
4. Analysis date: 2022-03-24
5. Equipment used for analysis: Single stage accelerator mass spectrometer (SSAMS, NEC, USA), Automated Graphitization Equipment AGE-3 (IonPlus AG).
6. Method of analysis: Samples were treated by reacting with phosphoric acid. IAEA C2, SIRI K and OXII were used as reference materials.
7. Results of analysis:

Sample designation	Lab. code	Radiocarbon age, BP	pMC
001	FTMC-LH14-1	56275±2149	0.09±0.02

The results are given in years before 1950 (radiocarbon age BP). The uncertainty in the age determination is given +/- one standard deviation. All radiocarbon ages are corrected for isotopic fractionation using the measured 13/12-ratio. The radiocarbon ages must be translated to calibrated radiocarbon years.

8. Calibrated radiocarbon dates:

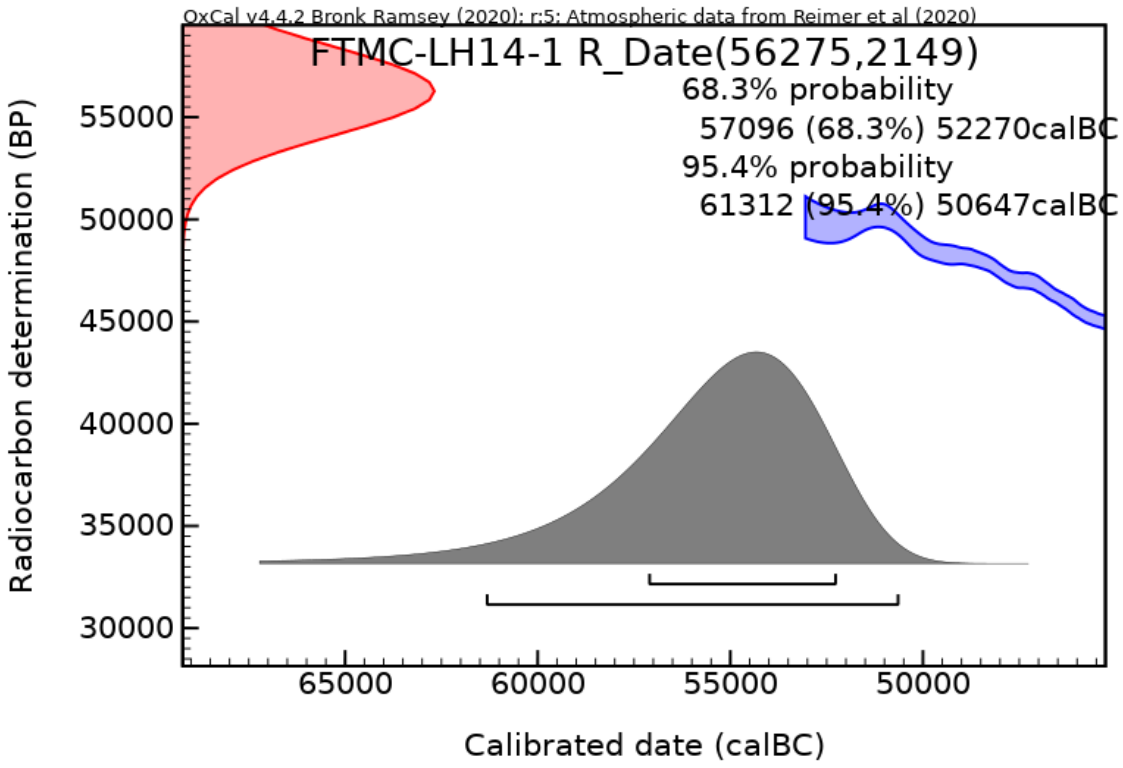

Fig. 1. Radiocarbon date 56275±2149BP (red), part of the calibration curve (blue) and the calibrated probability density function (grey) calculated in OxCal.

Responsible person: dr. Žilvinas Ežerinskis