

Frontier Analysis, Ltd

TECHNICAL SERVICE RESPONSE NO.: UT088

Subject: Analysis of an Anomalous Foreign Object (AFO) Expelled from the Throat of an Experiencer (July 24, 2014, Milwaukie, Oregon, CMS Case File: 58591)

Date: November 9, 2014

Requested By: Thomas Bowden
Oregon SD

Reported By: P. A. Budinger
Analytical Scientist

Background/Objective: The background as reported in the posted CMS file on the MUFON website¹ reads as follows. "Witness contacted Oregon MUFON Asst. SD regarding an apparent implant removed from right adenoid or other glandular passage in his throat. Object has been secured by Oregon SD and will be submitted for analysis. Additional sighting experiences related dating back to approximately 1946 or 1947. These will be described in the complete report." The objective is to identify the AFO.

Conclusions:

- The sample is composed of primarily calcium phosphate and a small amount of calcium carbonate. Possibly a very small amount of calcium oxalate could be present. It is 3 millimeters in diameter and weighs 0.0524 grams.
- These types of calcium deposits (calcifications) can be found throughout the human body and caused by a variety of medical problems. The source is not from a foreign implant.

Procedure:

Sample: The AFO was received on August 11, 2014. It was wrapped in gauze and tightly sealed in a plastic vial. The FI reports that the object is not radioactive, is not magnetic, does not affect a magnetic compass, and does not appear to emit any significant EMF radiation.

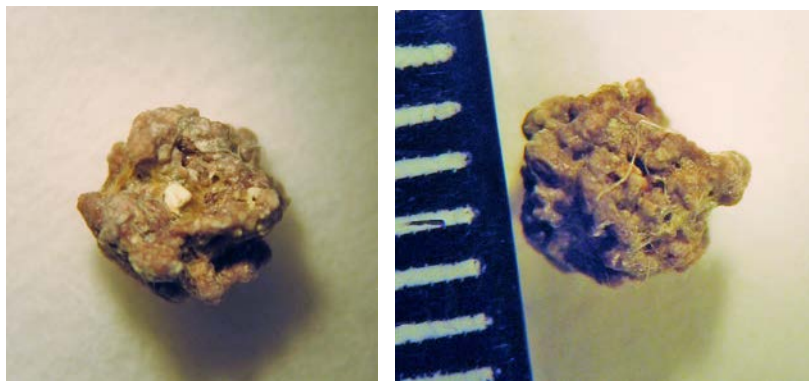
¹ Mufon.com

Infrared analysis was done on the sample as received. The FT-IR (Fourier Transform-Infrared) spectra² were acquired on the Thermo Electron Avatar 360 spectrometer using the Smart Herrick diamond sampling accessory. Optical microscope photographs were obtained using a Canon A520 digital camera interfaced to a Leica GZ6 microscope. Its size and weight were also determined.

Results:

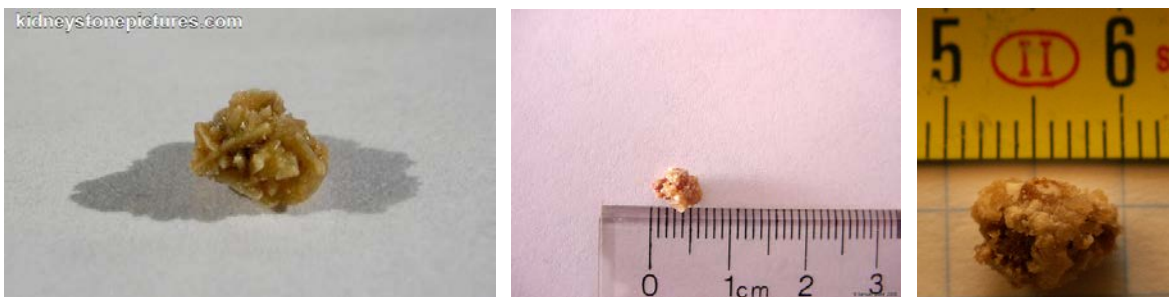
Microscopic Examination

Microscopic examination of the fragment shows an irregular shape and consists mostly of brown material with some white spots. Following are the microscope photographs of the object. The second is taken with a ruler with the scale in millimeters. The object is three millimeters in diameter. Additionally, it was noted to weigh 0.0524 grams.



Microscope photographs of the AFO

Reference photographs of some kidney stones³ shown below are very similar in coloring and size to the above AFO. These types of deposits can crop up any part of the body.⁴



Reference photographs of kidney stones

² **FT-IR (Fourier Transform Infrared Spectroscopy):** Infrared spectroscopy is used for the molecular structure identification and quantification of solids, liquids, and gases. An infrared spectrum is the result of light (in the 2 to 25 micron wavelength range) interacting with the vibrations of molecules. The particular set of vibrations of a molecule gives rise to specific spectral absorption bands, often referred to as the "fingerprint" spectrum.

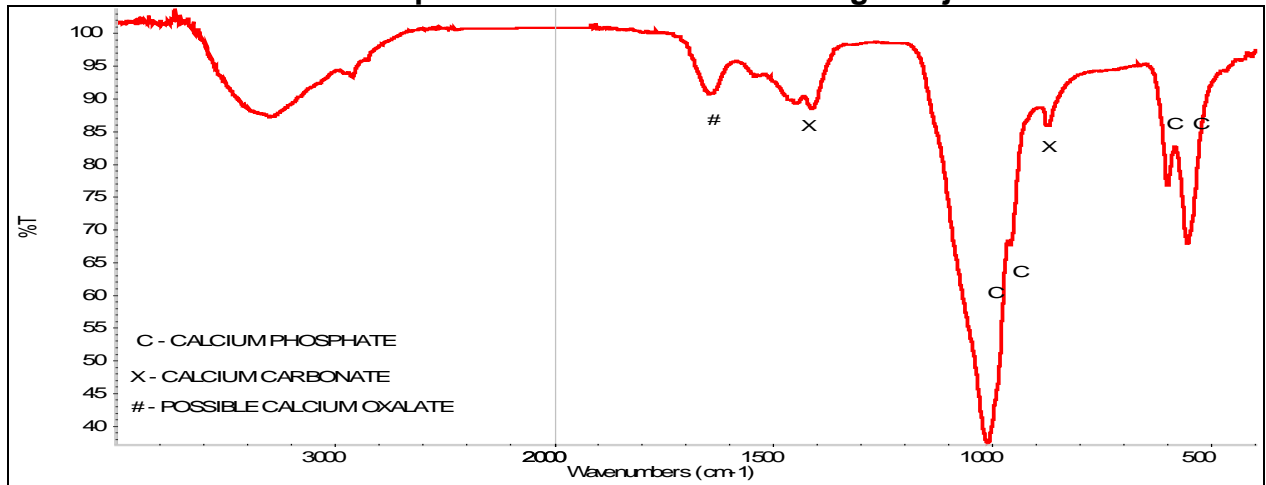
³ https://images.search.yahoo.com/search/images;_ylt=AwrBT.XfG0BUonAAAfJXNyoA;_ylu=X3oDMTB0MW82MjU1BHNIYwNzYwRjb2xvA2JmMQR2dG1kA1NNRTY1NV8x?_adv_prop=image&fr=yfp-t-dummy_2-s&sz=all&va=kidney+stone

⁴ <http://www.ehow.com/about-causes-calcium-deposit.html>; <http://livestrong.com/article/259570-what-causes-calcium-deposits>

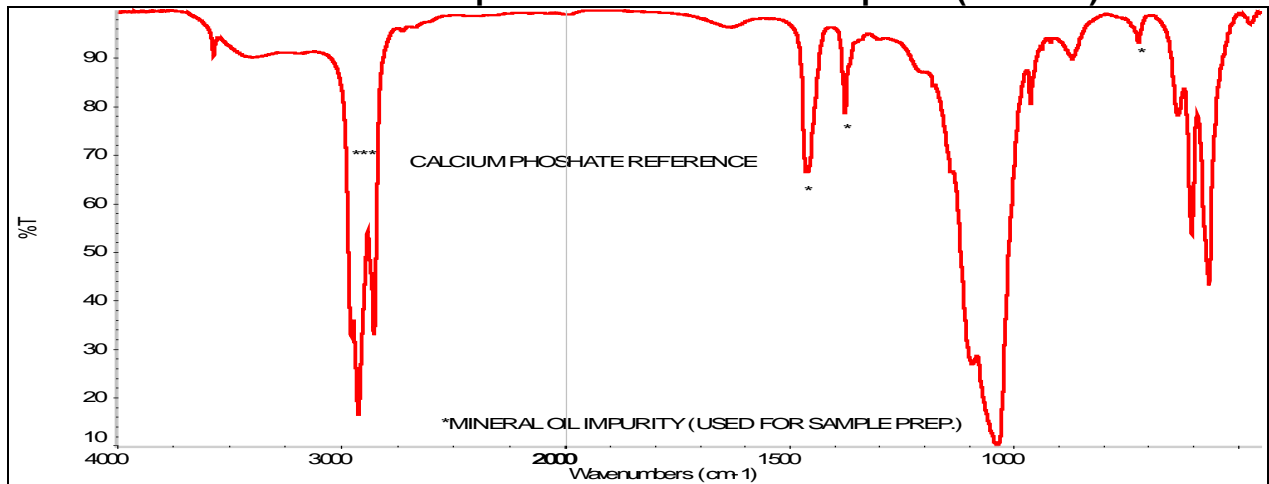
Infrared Analysis

Infrared analysis of the sample identifies mostly calcium phosphate and suggests other calcium salts such as a small amount of calcium carbonate, and possibly calcium oxalate. The spectrum follows with peaks labeled. Also following is a reference of calcium phosphate for comparison.

Infrared Spectrum of Anomalous Foreign Object



Infrared Reference Spectrum of Calcium Phosphate (Tribasic)



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Phyllis A. Budinger