



731 McCall Road
Manhattan, KS 66502
TEL: (785) 537-9773
FAX: (785) 537-1800
E-Mail: info@alteca.com
www.alteca.com

ALTECA Cafe
Attn: Chef
731 McCall Road
Manhattan, KS 66503

1/16/2018

REPORT OF MICROSCOPIC EXAMINATION

Claim #1/16/2018

Lab Number: 12345-3-1

ALTECA Cafe requested Forensic analysis for foreign material in found in food. The sample was thoroughly examined via stereo microscopy, Nicolet iS50 FTIR (Fourier Transform Infra-Red) analysis, SEM/EDS (Scanning Electron Microscope/Energy Dispersive Spectroscopy), Blood/Saliva residue testing via RSID (Rapid Stain Identification) reader and cook/bake test.

ALTECA, Ltd. received the sample on 1/15/18 in good condition at room temperature. The object was removed from the packaging, examined and photographed under high magnification. During the initial examination, the submission consisted of a caramel candy product, that was alleged to have a piece of metal in it that broke the consumers tooth. The object was found, and product material was visible on the surface. Using FTIR, the product material was found to be a sugar based product consistent with caramel. The object had an irregular shape, and also had a silver colored smooth side and a dull colored rough side. The object was metallic in nature but was found to be non-magnetic. The object was analyzed using the SEM/EDS analysis system for composition, and was found to be primarily mercury, silver, copper and tin. This composition is consistent with dental amalgam or tooth filling. The object was tested for the presence of human saliva residue and the test result was positive. The object was tested using the cook/bake test which yielded a negative result, indicating the object entered the product post production.

I concluded from the above observations and tests, with a reasonable degree of scientific certainty, that the object was dental amalgam or tooth filling that was exposed to human saliva, but was not cooked/baked with the product.

This report was based on the above submitted sample being representative of all original evidence. If you have questions or comments concerning the above observations and conclusions, please contact us at your convenience.

Respectfully,

A handwritten signature in black ink, appearing to read 'Andrew Hudson'.

Andrew Hudson

A handwritten signature in black ink, appearing to read 'Lynn S. Bates'.

Dr. Lynn S. Bates