



## Accredited Laboratory

A2LA has accredited

# LANL ACTINIDE ANALYTICAL CHEMISTRY LABORATORY

Los Alamos, NM

for technical competence in the field of

## Chemical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 *General requirements for the competence of testing and calibration laboratories*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated April 2017).



Presented this 30<sup>th</sup> day of January 2019.

Senior Director, Accreditation Services  
For the Accreditation Council  
Certificate Number 3377.01  
Valid to November 30, 2020

*For the tests to which this accreditation applies, please refer to the laboratory's Chemical Scope of Accreditation.*



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

LANL ACTINIDE ANALYTICAL CHEMISTRY LABORATORY

P.O. 1663 MS: G740

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CHEMICAL

Valid To: November 30, 2020

Certificate Number: 3377.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform Quantitative, Qualitative, and Semi- Quantitative Analyses of Radioactive and other Extraordinary Analytes in Nuclear Forensics Samples:

<b>Sample Preparation:</b>	
Dissolution	NF-ANC195, NF-ANC229, NF-ANC230
Separation	NF-ANC130
<b>Technology</b>	<b>Method(s)</b>
<b>Radionuclides:</b>	
Americium Analysis by Radiochemistry	NF-ANC302, NF-ANC305, NF-ANC306
Gamma-Spectrometry (Quantitative)	NF-ANC376
Neptunium Analysis by Radiochemistry	NF-ANC302, NF-ANC304, NF-ANC306, NF-ANC369
<b>Classical Chemistry-Quantitative Tests:</b>	
Davies Gray-Potentiometry	NF-ANC127
Density by Pycnometry	NF-ANC501
Gravimetric-Loss on Ignition	NF-ANC124

<u>Technology</u>	<u>Method(s)</u>
<b>Classical Chemistry-Quantitative Tests (cont.):</b>	
Iron Spectrophotometry	NF-ANC122
Plutonium Assay by CPC	NF-ANC125
Plutonium / Uranium Assay and Isotopic Composition by TIMS	ANC1330, CAAC-DOP-ANC204, CAAC-DOP-432, CAAC-DOP-439, NF-ANC131, NF-ANC204, NF-ANC205, NF-ANC1311

