



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

SKYLINE ASSAYERS & LABORATORIES

1775 W. Sahuaro Dr.  
Tucson, AZ 85745-1434  
Nancy Gungor Phone: 520 622-4836

CHEMICAL

Valid To: May 31, 2018

Certificate Number: 2953.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the chemical tests and assays listed below on ores, rocks, soils, and sediments:

<u>TEST AND TECHNOLOGIES</u>	<u>TEST METHODS</u>
Fire Assay Gravimetric	SOP 411 - Gold Analysis by Classical Fire Assay SOP 412 - Gold Analysis by Classical Gravimetric Fire Assay SOP 425 - Metallic Au-Ag Assay Procedure by Gravimetric Fire Assay
Fire Assay Atomic Absorption Spectroscopy (AAS)	SOP 410 - Gold Analysis by Classical Fire Assay and Atomic Absorption Spectroscopy (AAS)
Digestion Atomic Absorption Spectroscopy (AAS)	SOP 401 - Total Copper (Hydrochloric, Nitric and Perchloric Acid Digestion) SOP 403 - Acid Soluble Copper SOP 404 - Quick Leach Technique (QLT-Copper Assay) SOP 405 - SAP (Hot) Ferric Sulfate Soluble Copper SOP 406 - Sequential (Acid Soluble Cu, Cyanide Soluble Cu) SOP 406A - Cyanide Soluble Copper SOP 415 - Silver (Ag) by Aqua Regia Analyzed by AAS SOP 457 - Gold (Au) Cyanide Leach
Digestion Inductively Coupled Plasma-Optical Emission Spectroscopy (ICP-OES)	SOP 407 - Total Copper, Lead, Zinc, Iron, and Molybdenum, Manganese, Nickel and Cobalt (Hydrochloric, Nitric and Perchloric Acid Digestion) SOP 407A - Manganese (Hydrochloric, Nitric and Perchloric Acid Digestion) SOP 424 - 32 Element Aqua Regia Leach Analyzed by ICP-OES (TE-2) SOP 430 - 24 Element Multi Acid Digestion Analyzed by ICP-OES (TE-4)
Digestion Inductively Coupled Plasma-Mass Spectroscopy (ICP-OES/MS)	SOP 428 - 49 Element Aqua Regia Leach Analyzed by ICP-OES/MS (TE-3) SOP 429 - 47 Element Multi Acid Digestion Analyzed by ICP-OES/MS (TE-5)
Ion Selective Electrode	SOP 463 - F (Fluorine) by Fusion Ion-Selective Electrode (ISE)
Titration	SOP 449 - Acid Consumption
Loss on Ignition (LOI)	SOP 473 - Gypsum Determination
Carbon Sulfur Analyzer	SOP 467 - Sulfur by Infrared / WR-S SOP 439 - Carbon by Infrared / WR-C
Specific Gravity	SOP 433 - Specific Gravity
Sample Preparation	SOP 102 - Crushing, Splitting, Pulverizing of Samples



Metallurgy SOP 727 – Column Leach Testing	Metallurgy SOP 727 – Column Leach Testing
---	---



## Accredited Laboratory

A2LA has accredited

### SKYLINE ASSAYERS & LABORATORIES

Tucson, AZ

for technical competence in the field of

### Chemical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005 *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 8 January 2009).



Presented this 29<sup>th</sup> day of February 2016.

A handwritten signature in blue ink, written over a horizontal line.

President & CEO  
For the Accreditation Council  
Certificate Number 2953.01  
Valid to May 31, 2018  
Revised 02/12/2018

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