



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

SURFACE SCIENCE WESTERN
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CHEMICAL

Valid To: January 31, 2025

Certificate Number: 5937.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform custom analytical testing (including contamination analysis, surface analysis, failure analysis and bulk compositional analysis) on: metals, alloys, plastics, polymers, coatings, powders, thin film products and minerals:

Test:

Secondary Ion Mass Spectrometry (SIMS)
X-Ray Photoelectron Spectroscopy (XPS)
Auger Electron Spectroscopy (AES)
Fourier Transform Infrared Spectroscopy (FTIR)
Laser Raman Spectroscopy (Raman)
Time-of-Flight Secondary Ion Mass Spectrometry (TOF-SIMS)
Scanning Electron Microscopy Energy Dispersive X-Ray Spectroscopy (SEM/EDX)
Atomic Force Microscopy (AFM)
Optical Microscopy

Surface Profilometry
X-ray Micro Computed Tomography (Micro-CT)
Confocal Laser Scanning Microscopy (CLSM)
Microhardness Testing
DSC
TGA
X-ray Diffraction (XRD)

Test Method(s):¹

SIMS – 3f Work Instructions
XPS – Supra Work Instructions
Auger – PHI 710 Work Instructions
FTIR – Bruker Work Instructions
Raman – Renishaw Work Instructions
TOF-SIMS – ION-TOF Work Instructions

SU8230, SU3900, SU3500 Work Instructions

AFM Work Instructions
Wild Stereo Microscope, Zeiss Compound Microscope, Keyence Digital Microscope Work Instructions
KLA-Tencor Work Instructions
Micro-CT Work Instructions
Confocal Microscope Work Instructions
Microhardness Work Instructions
DSC Work Instructions
TGA Work Instructions
XRD Work Instructions

¹Including customer supplied and industry specifications directly related to the test technologies and parameters listed above. Using the test methods and specifications listed above, as well as customer supplied and laboratory-developed methods, within the parameters listed above.

Note: This scope applies to activities pertaining to industry and commercial clients. It does not apply to academic work from Western University or other academic organizations.