



**GELLER
MICROANALYTICAL
LABORATORY, Inc.**

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...because a µg of understanding is worth a ton of guessing

Price List Effective: January 2021

ANALYTICAL SERVICES

SURFACE ANALYSIS

\$ 425/hr
Auger Electron Spectroscopy (JEOL Jamp 7800), 50nm resolution, w/SEM function and X-ray Analysis, Depth profiles collected using rotational depth profiling. Digital imaging.

SCANNING ELECTRON MICROSCOPY JEOL- 840

\$ 375/hr
with EDS x-ray, digital imaging (computer image files sent by email or disk- no charge!).

ELECTRON MICROPROBE (fully automated (4)

\$ 425/hr
wavelength & 1 energy-dispersive x-ray spectrometer with detectabilities to 10ppm. SEM resolution 70Å. Digital images & data (image files & report sent by email.

LABORATORY SERVICES:

Metallography- Custom sample preparation, mounting, sections, polishing, plating thickness preparation, etc. \$ 250/hr

Optical Microscopy- Bench & Stereo. \$ 250/hr

Profilometry- Sloan Dektak 3030 for surface roughness, step heights, etc. \$100/scan (min. 3)

Microhardness- Vickers & Knoop indentation \$ 250/hr

Note: turnaround time is normally 1 week after receipt of samples.

For 1 -2 day expedited add 50%.

PRODUCTS

ION SPUTTER CALIBRATION STANDARDS (please check for availability)

ISC-SiO2-1029 SiO2 (1006 ± 10Å) on 4" Si wafer	\$975
ISC-TA2O5 Ta2O5 on Ta, 1000Å (37mm2)	\$350
NiCr-3 12 layers Cr(60nm/Ni-60nm on Silicon (1 X 3 cm)	\$690
ISC-Si3N4-1000 Si3N4 (1000Å) on Si (1cmX3cm)	\$360

ULTRA-HIGH VACUUM ELEMENTAL STANDARDS

	Mount only	Mount + standards
UHV-EL-6	Mount for 6 elements \$170	\$790
UHV-EL-9	Mount for 9 elements \$215	\$1,150
UHV-EL-12	Mount for 12 elements \$260	\$1,500
UHV-EL-15	Mount for 15 elements \$300	\$1,850
UHV-EL-18	Mount for 18 elements \$350	\$2,200
UHV-EL-37	Mount for 37 elements \$460	\$4,700

(note: the UHV-EL-37 with standards is shipped under vacuum in a small Vacu-Storr)

UHV-EL-37PI PHI Mount adapters	\$380
UHV-EL-37VG for VG Instruments	\$380
UHV-EL-37Stub (Amray, FEI, LEO, Zeiss)	\$130
UHV-EL-40RE Replacement elements (your choice on list except those below)	\$130
UHV-EL-Diamond (1mm) crystal, polished.	\$300
UHV-EL-SRM481 (5) NIST Cu:Ag wires . .	\$300
UHV-EL-SRM482 (5) NIST Cu:Au wires . .	\$300
UHV-EL-AI-Cu X-ray Calibration. std. (NIST traceable)	\$225
JN-1 SEM demo standards (not UHV compatible)	\$750

PRODUCTS

VAC-U-STORR (VUS) Desiccators

VUS-J-S (Glass)	\$155
VUS-J-M (Glass)	\$270
VUS-J-L (Glass)	\$325
VUS-J-XL	\$470

MAGNIFICATION REFERENCE STANDARDS

	MR-1	MRS-3	MRS-4	MRS-6
MRS-#NT (Not traceable)	---	\$570	\$1,150	\$3,000
MRS-#XY (XY traceable)	---	\$1,725	\$2,415	\$4,900
MRS-#XYZ (XYZ traceable)	---	\$2,070	\$2,760	---
MR-1X (X traceable only - 100µm X 150 mm)	\$1,400	---	---	---
Cleaning only (best effort basis)	\$230	\$230	\$230	\$230
RECERTIFICATION Micro Ruler	\$690			
RECERTIFICATION & CLEANING X and Y axes		\$1,150	\$1,725	\$3,335
RECERTIFICATION & CLEANING X, Y and Z axes		\$1,495	\$2,070	---
No return authorization necessary. Please send with purchase order				
RETAINERS & miscellaneous				
MRS-SEM/R Retainer (1" OD X 1/8")	---	\$115	\$115	---
MRS-OM/R (optical microscope adapter 1"X2")	---	\$115	\$115	---
MRS-Glass (1" X 3" glass slide mounting)	---	\$115	\$115	---
MRS-3 or 4 (for TEM, etc.) 3mmX 0.25mm	---	\$400	\$400	---
MRS-pin (used with the SEM/R - 1/8" pin)	---	\$115	\$115	---
MRS-6-Retainer/pin	---	---	---	\$290

Magnification standards traceability: accredited to ISO-17025 (ANAB registrar) and ILAC-MRA.

Terms:

Payment is net 30 days subject to credit approval.

VISA, Master Card and American Express accepted with 3% bank fee added

Late fee of 1.5%/month for delinquent accounts.

Shipping: FOB Topsfield, Ma. Delivery: Stock to 30 days

Foreign delivery orders must be prepaid. Payment to be made against a U.S. bank by check in the U.S., wire, or credit card.

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