



**GELLER
MICROANALYTICAL
LABORATORY, Inc.**

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...because a μ g of understanding is worth a ton of guessing

Price List Effective: January 2023

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- 6600LV \$ 375/hr
with Oxford 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 XT 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-SIO2-200 SiO2 (200 ± 10Å) on 4" Si wafer \$975
ISC-TA2O5 Ta2O5 on Ta, 1000Å (37mm2) \$350

ULTRA-HIGH VACUUM ELEMENTAL STANDARDS

	<u>Mount only</u>	<u>Mount + standards</u>
UHV-EL-6	Mount for 6 elements \$190	\$870
UHV-EL-9	Mount for 9 elements \$235	\$1,265
UHV-EL-12	Mount for 12 elements \$285	\$1,650
UHV-EL-15	Mount for 15 elements \$330	\$2,035
UHV-EL-18	Mount for 18 elements \$385	\$2,420
UHV-EL-37	Mount for 37 elements \$500	\$5,170

(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 (25mm pin for Amray, FEI, LEO, Zeiss)		\$150
UHV-EL-Stub for Hitachi		\$150
UHV-EL-40RE Replacement elements <i>(your choice on list except those below)</i>		\$150
UHV-EL-Diamond (1mm) crystal, polished.		\$330
UHV-EL-SRM481 (5) NIST Cu:Ag wires . .		\$350
UHV-EL-SRM482 (5) NIST Cu:Au wires . .		\$350
UHV-EL-Al-Cu X-ray Calibration. std. (NIST traceable)		\$250
JN-1 SEM demo standards (not UHV compatible)		\$775

MAGNIFICATION REFERENCE STANDARDS

PRODUCTS

VAC-U-STORR (VUS) Desiccators
VUS-J-S (Glass) \$170
VUS-J-M (Glass) \$285
VUS-J-L (Glass) \$350
VUS-J-XL (glass) \$495

	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")	---	\$130	\$130	---
MRS-pin (used with the SEM/R - 1/8" pin)	---	\$130	\$130	---
MRS-OM/R (optical microscope adapter 1"X2")	---	\$130	\$130	---
MRS-Glass (1" X 3" glass slide mounting)	---	\$130	\$130	---
MRS-3 or 4 (for TEM, etc.) 3mmX 0.25mm	---	\$400	\$400	---
MRS-SEM/Hitachi 25mm with 4mm thread for Hitachi	---	\$130	\$130	---
MRS-6-Retainer/pin (this is the only one for MRS-6)	---	---	---	\$320

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. Customer supplied shipping accounts - we much prefer FedEx
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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