



**GELLER
MICROANALYTICAL
LABORATORY, Inc.**

426e Boston Street, Topsfield, MA 01983-1216
TEL: 978-887-7000 FAX: 978-887-6671

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

Price List Effective: July 2016

ANALYTICAL SERVICES

SURFACE ANALYSIS

\$ 375/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

\$ 325/hr
with EDS x-ray, digital imaging (computer image files sent by email or disk- no charge!).

ELECTRON MICROPROBE (fully automated (4))

\$ 375/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. \$ 215/hr

Optical Microscopy- Bench & Stereo. \$ 215/hr

Profilometry- Sloan Dektak 3030 for surface roughness, step heights, etc. \$ 85/scan (min. 3)

Microhardness- Vickers & Knoop indentation \$ 215/hr

PRODUCTS

VAC-U-STORR (VUS) Desiccators

VUS-J-S (Glass) \$140
VUS-J-M (Glass) \$250
VUS-J-L (Glass) \$300
VUS-J-XL \$425
VUS-SS-4.5 4" Conflat flange, no top POR
VUS-SS-4.63 4 5/8" Conflat flange, no top POR
VUS-SS-6 6" Conflat flange, no top POR
VUS-SS-8 8" Conflat flange, no top POR
..call for prices on covers, gaskets & misc. parts.

PRODUCTS

ION SPUTTER CALIBRATION STANDARDS (please check for availability)

ISC-SIO2-500 SiO2 (500 ± 25Å) on 4" Si wafer \$475
ISC-SIO2-1029 SiO2 (1006 ± 10Å) on 4" Si wafer \$975
ISC-TA2O5 Ta2O5 on Ta, 1000Å (37mm2) \$330
NiCr-3 12 layers Cr(60nm/Ni-60nm on Silicon (1 X 3 cm) \$660
ISC-Si3N4-1000 Si3N4 (1000Å) on Si (1cmX3cm) \$330

ULTRA-HIGH VACUUM ELEMENTAL STANDARDS

	Mount only	Mount + standards
UHV-EL-6	Mount for 6 elements \$145	\$685
UHV-EL-9	Mount for 9 elements \$185	\$995
UHV-EL-12	Mount for 12 elements \$225	\$1,305
UHV-EL-15	Mount for 15 elements \$260	\$1,610
UHV-EL-18	Mount for 18 elements \$290	\$1,910
UHV-EL-37	Mount for 37 elements \$400	\$4,100
<i>(note: the UHV-EL-37 with standards is shipped under vacuum in a small Vacu-Storr)</i>		
UHV-EL-37PI PHI Mount adapters		\$330
UHV-EL-37VG for VG Instruments		\$330
UHV-EL-37Stub (Amray, FEI, LEO, Zeiss)		\$110
UHV-EL-40RE Replacement elements (your choice on list except those below)		\$110
UHV-EL-Diamond (1mm) crystal, polished.		\$220
UHV-EL-SRM481 (5) NIST Cu:Ag wires . .		\$220
UHV-EL-SRM482 (5) NIST Cu:Au wires . .		\$220
UHV-EL-Al-Cu X-ray Calibration. std. (NIST traceable)		\$155
JN-1 SEM demo standards (not UHV compatible)		\$640

MAGNIFICATION REFERENCE STANDARDS

	MR-1	MRS-3	MRS-4	MRS-6
MRS-#NT (Not traceable)	n/a	\$490	\$990	\$3,000
MRS-#XY (XY traceable)	n/a	\$1,500	\$2,100	\$4,900
MRS-#XYZ (XYZ traceable)	n/a	\$1,800	\$2,400	n/a
MR-1X (X traceable only - 100µm X 150 mm)	\$1,200	n/a	n/a	n/a
Cleaning only (best effort basis)	\$200	\$200	\$200	\$200
RECERTIFICATION Micro Ruler	\$600	n/a	n/a	n/a
RECERTIFICATION & CLEANING X and Y axes	n/a	\$1,000	\$1,500	\$2,900
RECERTIFICATION & CLEANING X, Y and Z axes	n/a	\$1,300	\$1,800	n/a

No return authorization necessary. Please send with purchase order

RETAINERS & miscellaneous

MRS-SEM/R Retainer (1" OD X 1/8")	n/a	\$100	\$100	n/a
MRS-OM/R (optical microscope adapter 1"X2")	n/a	\$100	\$100	n/a
MRS-Glass (1" X 3" glass slide mounting)	n/a	\$100	\$100	n/a
MRS-3 or 4 (for TEM, etc.) 3mmX 0.25mm	n/a	\$350	\$350	n/a
MRS-pin (used with the SEM/R - 1/8" pin)	n/a	\$100	\$100	n/a
MRS-6-Retainer/pin	n/a	n/a	n/a	\$250

Magnification standards traceability: accredited to ISO-17025 (ACLASS registrar)

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 U.S. \$, by Letter of Credit, wire, or credit card.

Price-42.doc
OP 3.0-8 Rev. L