



**GELLER
MICROANALYTICAL
LABORATORY, Inc.**

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TEL: 978-887-7000 FAX: 978-887-6671

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

Price List Effective: January 2014

ANALYTICAL SERVICES

SURFACE ANALYSIS

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

\$ 350/hr

SCANNING ELECTRON MICROSCOPY JEOL- 840

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

\$ 300/hr

ELECTRON MICROPROBE (fully automated (4)

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

\$ 350/hr

LABORATORY SERVICES:

Metallography- Custom sample preparation, mounting, sections, polishing, plating thickness preparation, etc.

Optical Microscopy- Bench & Stereo.

Profilometry- Sloan Dektak 3030 for surface roughness, step heights, etc.

Microhardness- Vickers & Knoop indentation

\$ 200/hr

\$ 200/hr

\$ 75/scan
(min. 3)

\$ 200/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

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

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.

\$155

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)

RECERTIFICATION Micro Ruler

\$200

\$200

\$200

\$200

RECERTIFICATION & CLEANING X and Y axes

\$600

n/a

n/a

n/a

RECERTIFICATION & CLEANING X, Y and Z axes

n/a

\$1,000

\$1,300

\$2,900

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-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

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. J