



User Fees | Walter Curlook Materials Characterization & Processing Laboratory

(New fee structure effective from October 01, 2016)

XRD Rigaku Miniflex 600	Rates ⁽¹⁾			
	Beam time per hour	Technologist Time per hour	Quant. Analysis per sample	Training
MSE U of T	\$20	\$25	\$60	upon request
Other Departments/Universities	\$20	\$35	\$60	upon request
Industry	\$60	\$80	\$80	upon request

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(1) A sample preparation fee will be applied if sample grinding or special holder preparation is required.

Laser PSA Horiba LA 950	Rates			
	Aqueous per sample	Non-Aqueous per sample	Technologist Time per hour	Training
MSE U of T	\$20	\$20+ fluid cost	\$25	upon request
Other Departments/Universities	\$20	\$25+ fluid cost	\$35	upon request
Industry	\$40	\$40+ fluid cost	\$80	upon request

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STA ⁽²⁾ Netzsch STA449F3	Rates			
	TGA/DSC at 10 C/min	TGA/DSC at 5 C/min	Technologist Time per hour	Crucible Per sample
MSE U of T	\$30 per hour	\$30 per hour	\$25	\$15
Other Departments/Universities	\$40 per hour	\$40 per hour	\$35	\$15
Industry	\$60 per hour	\$60 per hour	\$80	\$15

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(2) Temperature range from 20 °C to 1500 °C.

XRF Bruker S2 Ranger Xflash	Rates ⁽³⁾		
	Measurement Per sample	Technologist Time per hour	Training
MSE U of T	\$20	\$25	upon request
Other Departments/Universities	\$20	\$35	upon request
Industry	\$60	\$80	upon request

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(3) See sample preparation fees table (if required).

ICP-OES Thermofisher iCAP 6300	Rates ⁽⁴⁾			
	Non HF sample	HF sample	Technical labor per hour	Training
MSE U of T	\$50 per hour	\$90 per hour	\$25	upon request
Other Departments/Universities	\$60 per hour	\$100 per hour	\$35	upon request
Industry	\$100 per hour	\$140 per hour	\$80	upon request

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(4) See sample preparation fees table (if required).

Sample Preparation	Rates per sample				
	Grinding	Regular digestion	Microwave Digestion	Pellet pressing	Fusion
MSE U of T	\$10	\$40	\$80	\$20	\$80
Other Departments/Universities	\$10	\$40	\$80	\$20	\$80
Industry	\$20	\$60	\$120	\$30	\$120

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Acronyms

XRD: X-ray Diffraction

PSA: Particle Size Analyzer

STA: Simultaneous Thermal Analyzer

XRF: X-ray Fluorescence

ICP: Inductively Coupled Plasma

OES: Optical Emission Spectrometer