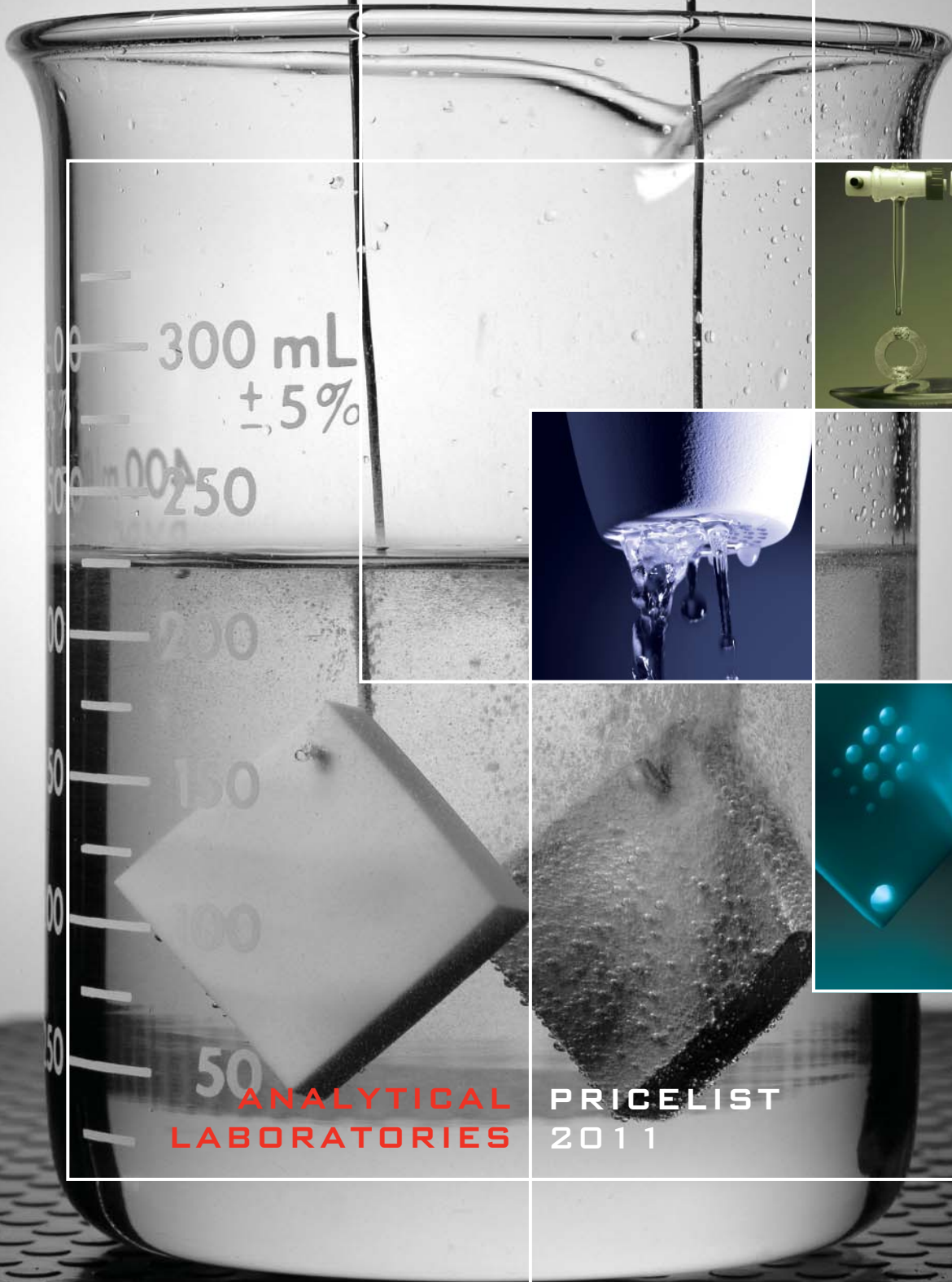


**COORST<sup>TEK</sup>**  
*Amazing Solutions.®*



300 mL  
± 5%

250

200

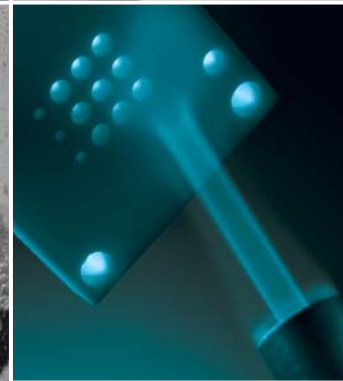
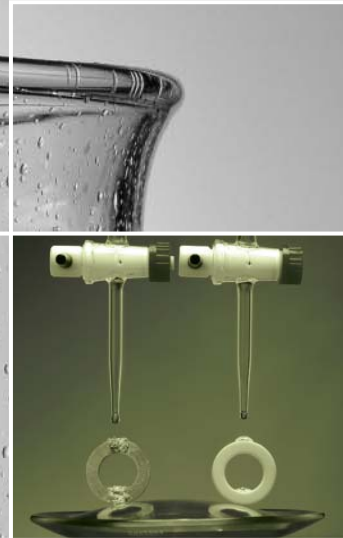
150

100

50

**ANALYTICAL  
LABORATORIES**

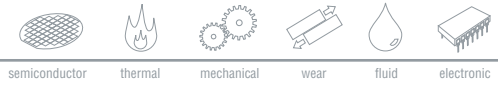
**PRICELIST  
2011**



Materials Testing			
Service		Description	Fee
Abrasion Resistance		Impringement	\$300/sample
		Slurry	\$240/test
Density	Suspended Weight	ASTM C-373	\$150/sample
	Bulk Density	ASTM B-417	\$150/sample
	Under Vacuum	ASTM B-328	\$150/sample
Dielectric Constant and Loss Index		ASTM D-150	\$250/frequency
Dielectric Strength		ASTM D-149	\$200/set of 5
Elastic Modulus (Young's Shear)		ASTM C-848	\$200/set of 3
Porosity	Water Absorption	ASTM C-373	\$150/set of 5
	Dye Penetrant	ASTM D-116	\$110/sample
Strength	Tensile	ACMA #4	\$200/set of 10
	Flexural	ASTM C-674	\$150/set of 10
		ASTM F-417	\$150/set of 10
		ASTM F-394	\$150/set of 10
		ASTM-1161	Call for Quote
Compressive		ASTM C-773	\$200/set of 10
Crush			Call for Quote
Fracture Toughness		ASTM E-1290	\$200/set of 10
Electrical	Insulation Resistance	ASTM D-257	\$300/sample
	Volume Resistivity	ASTM D-257	\$400/sample
	Surface Resistivity	ASTM D-257	\$150/sample
Impact Resistance		ASTM D-256	Call for Quote
Surface Areas BET		ASTM D-3663	\$200/sample
Thermal Analysis	DSC (Differential Scanning Calorimeter)	Various Methods	\$300/sample
	Specific Heat TGA/DTA (Thermogravimetric Analyzer / Differential Thermal Analyzer)	Various Methods	\$400/sample
	TC (Thermal Conductivity)	ASTM E-1461	\$300/sample
Thermal Expansion	RT to 1,000 °C		\$260/sample
	RT to 1,600 °C		\$260/sample
Electron Microscope	SEM		\$250/hour
	EDX		\$250/hour

Materials Testing – Continued			
Service		Description	Fee
Metallography and Ceramography	Polish Section		\$165/sample
	Thin Section		\$165/sample
	Photos	ASTM E-3	\$165/sample
	Grain Size	ASTM E-112 Estimated	\$300/sample
Particle Size	Screen Analysis, 5 screens	ASTM C-371	\$150/sample
	Sedigraph	ASTM C-958	\$250/sample
	Particle Size Analysis by Laser Light Scattering		\$250/sample
	Microscope		\$250/hour
Hardness	Rockwell	ASTM E-18	\$150/sample
	Knoop	ASTM E-384	\$300/sample
	Vickers	ASTM E-384	\$300/sample

Chemical Testing		
Service		Fee
X-ray Fluorescence	Sample Preparation	\$120/sample
	Your choice of a minimum 6 elements from Atomic #11 to 92	\$35/element/sample
X-ray Diffraction	Unknown identification through JCPDS file search and verification	\$325/sample
	Clay Minerology	Call for Quote
Inductively Coupled Plasma/Optical Emission Spectroscopy	Sample Preparation	\$150/sample
	Quantitative Analysis of trace and minor elements (minimum 10 elements/sample)	\$15/element
	Grinding or fusion sample preparation	extra \$55 for each
Inductively Coupled Plasma/Mass Spectrometry	Sample Preparation	\$200/sample
	Quantitative Analysis (minimum 10 elements/sample) \$250 minimum	\$20/element
	Quantitative by Isotope Ratio	\$350/sample
	70 Element Scan	\$500/sample
Inductively Coupled Plasma/Mass Spectroscopy/Laser Ablation	Semiquantitative analysis of 70 elements (+ 50% of amount reported)	\$500/sample
	Laser identification of surface contamination and depth profile	\$300/sample
Leco Combustion and Coulometric Techniques	Sulfur	\$65/sample
	Total Carbon	\$65/sample
	Free Carbon	\$130/sample
	Carbonate Carbon	\$65/sample
	All of the above	\$260/sample
Classical Wet Techniques	Our wet chemistry laboratory performs quantitative inorganic and organic analyses using classical methods. Pricing depends on sample matrix, analyses requested, and number of samples.	Typical Analyses \$125/hour



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- Corporate Headquarters
- CoorsTek Facility

CoorsTek exclusive  
OpX manufacturing  
and quality system

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