

FY 24/25
 Rate

Description of commodity or service :

Description of commodity or service :	Unit of Billing	FY 24/25 Rate
Analytical Testing Laboratory		
Sample Preparation	per hour	\$ 146.70
Extractions (Soxhlet)	per sample	\$ 146.70
Extractions (ASE)	per sample	\$ 98.06
Data Analysis	per hour	\$ 255.79
FTIR/ UV/Vis/NIR - Instrument (Avg 20 Min/Sample)	per instr. hour	\$ 303.38
GC/MS - Instrument (Avg 40 Min/Sample)	per instr. hour	\$ 255.79
Chromatography GC, SFC, HPLC - Instrument (Excludes Method Development)	per instr. hour	\$ 146.70
NMR - Operator	per hour	\$ 255.79
NMR - Instrument	per instr. hour	\$ 36.86
Thermal Analysis TGA, DSC, MDSC	per instr. hour	\$ 181.82
Thermal Analysis DMTA (DMA OR TMA) - Instrument (Avg 60 Min/Sample)	per instr. hour	\$ 230.14
Physical Testing Laboratory		
Skein Break D-1578	per sample	\$ 81.75
Tensile (Grab) Warp & Filling - D-5034	per sample	\$ 94.77
Tensile (Modified Grab) Warp & Filling - D-5034	per sample	\$ 94.77
Single End Yarn Break - Statimat 11 - D-2256	per sample	\$ 94.77
Single End Yarn Break - Instron D-2256	per sample	\$ 94.77
Tear Test (Tounge) D-2261	per sample	\$ 94.77
Tear Test (Trapezoid) D-5587	per sample	\$ 94.77
Tensile 1" Strip (Instron or Scott) D-5035	per sample	\$ 94.77
Single Fiber Break D-3822	per sample	\$ 135.61
Resistance to Slippage of Yarns in Woven Fabric - D434	per sample	\$ 135.61
Bursting (Ball) - ASTM D-3787	per sample	\$ 94.77
Hydrostatic Head (FX 3000) - 127 AATCC	per sample	\$ 81.75
Air Permeability (FX 3300) - D-0737	per sample	\$ 54.09
Water Repellency - Spray Test - 22 AATCC	per sample	\$ 68.25
Water Repellency - IPA/Water AATCC - 42	per sample	\$ 81.75
Abrasion - StohID-3885/D3886	per sample	\$ 81.75
Abrasion - Yarn - CTT	per sample	\$ 112.46
Abrasion - Taber (Cost Plus Wheels)	per sample	\$ 204.24
Abrasion (Wyzenbeek) D-4157	per sample	\$ 135.66
Pilling (Rotary Tumble) - 3 Repeats D-3512	per sample	\$ 81.75
Tear Test (D-1424) Elmendorf	per sample	\$ 72.47

Weight - D-3776	per sample	\$ 54.09
AOS (EOS) Geotextile	per sample	\$ 135.66
Moisture Regain/Content D-2495	per sample	\$ 94.77
Colorfastness to laundering (Home& Comm: Acclrd) - AATCC 61 - 3A Test	per sample	\$ 681.21
Color Fastness (Crocking) AATCC 8:	per sample	\$ 54.09
Colorfastness to Light (Carbon-Arc Lamp) 16 AATCC Sec. 1 D	per sample	\$ 105.11
Colorfastness (Washing)	per sample	\$ 136.56
PH % - 81	per sample	\$ 54.09
Fabric Width D-3774	per sample	\$ 54.09
Fabric (Construction Ends/in., Picks/in., etc., D-3775	per sample	\$ 94.77
Fabric Streak Analyzer (Replicas)	per sample	\$ 43.58
Thickness - SAE J-1355	per sample	\$ 54.09
Thickness (Shirley) FTM 5030	per sample	\$ 54.09
Loop Strength ASTM D2256-5 (YARN)	per sample	\$ 94.77
Pore Distribution & Bubble Point (PMI)	per sample	\$ 369.00
General Laboratory Usage (no equipment usage)	daily	\$ 1,133.74
Benz oven use and Latex Trials	per day	\$ 1,702.43
Non-Wovens Laboratory Usage (Rando Machine)(except fiberglass)	daily	\$ 1,927.82
Hills Extruder (Room 236 Sitrine) (single extruder includes winding & drawing) (1/2 Day Min.)	daily	\$ 3,399.82
James Extruder (Room 305 Rhodes) double extruder without winding and without drawing (1/2 Day Min.)	daily	\$ 2,264.82
Atomic Force Microscopy	per hour	\$ 188.79
Surface tension of different liquids	per hour	\$ 111.61
Surface energy of planar substrates, fibers and contact angles	per hour	\$ 111.61
Rheological analysis of complex fluids	per hour	\$ 96.14
Characterization of compression properties of fiber and films (Kawabata compression tester)	per hour	\$ 121.92
High speed imaging of droplet spreadling and absorption into fibrous materials	per hour	\$ 168.28
Characterization of magneto-optical properties of transparent materials (verdet constants)	per hour	\$ 125.34
Scour Greige Goods & Dye	per sample	\$ 406.66
Dimensional Change (Shrinkage) 3 Repeats/Sample - 135 AATCC	per sample	\$ 271.98
Fabric Durable Press Rating 3 Repeats - 124 AATCC	per sample	\$ 271.98
Flammability (45 degree Angle) FTM 5908 ASTM- D-1230	per sample	\$ 81.75
Verticle Flammability ASTM D-6413	per sample	\$ 81.75
Barre' (Redye)	per sample	\$ 338.73
Barre' (Yarn Pull & Weigh)	per sample	\$ 203.37

Barre' (Yarn Pull & ReKnit)	per sample	\$ 203.37
MacBeth Color Eye - Spectrophotometer	Per hour	\$ 303.38
Microscopy/Image Analysis	per hour	\$ 170.80
Crimp Per Inch (Fiber)	per sample	\$ 54.09
Cross-Sections sample preparation(microscopy separate)	per sample	\$ 94.77
Fiber Denier (Microscopic Measurement)	per sample	\$ 81.75
Fiber Staple Length	per sample	\$ 54.09
Uster AFIS (Neps, Length & Diameter & Trash)	per sample	\$ 81.75
Yarn Denier/Count by Weight	per sample	\$ 41.21
Yarn Shrinkage (Boiling Water) D-2259	per sample	\$ 135.61
Yarn Tension	per sample	\$ 163.08
Yarn Filament Count	per sample	\$ 68.25
Yarn Inspection (Pulled from fabric)	per sample	\$ 28.39
Uster (Yarn Evenness) D-1425	per sample	\$ 94.77
Yarn Twist (ILS) D-1423	per sample	\$ 72.55
Yarn Appearance (EIB) D2255	per sample	\$ 54.09
CERAMICS & MATERIALS ENGINEERING		
External Rates		
X-ray Diffraction	per hour	\$ 113.35
Total Particle Size Analysis	per sample	\$ 338.74
PSD(Horiba)	per sample	\$ 338.74
Thermogravimetric Analysis (Netzsch)	per sample	\$ 338.74
Differential Thermal Analysis	per sample	\$ 338.74
Dilatometry(air) ((Netzsch)	per sample	\$ 226.69
Dilatometry(controlled atmosphere)	per sample	\$ 452.85
AMRL		
Optical Fiber Draws	Per day	\$ 4,794.07
Optical Characterization	per sample	\$ 330.89
New View (White Light interferometer)	per hour	\$ 107.41
Microthermal analysis	per hour	\$ 321.35
Viscosity Measurements	per sample	\$ 175.37
MCVD preform fabrication	Per day	\$ 5,300.59
Stacking	Per day	\$ 3,509.96
AMRL-NMR (Nuclear Magnetic Resonance)	per instr. hour	\$ 106.21

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