

**Shepherd University**

**Request For Bid**

Department of Procurement Services  
217 Ikenberry Hall, PO Box 5000, Shepherdstown, WV 25443 (304) 876-5216

**RFB# -P0006267**

**Vendor:** \_\_\_\_\_  
**Attn:** \_\_\_\_\_  
**Address:** \_\_\_\_\_  
**City, ST, Zip** \_\_\_\_\_  
**Phone:** \_\_\_\_\_  
**Fax:** \_\_\_\_\_

BIDS ARE SUBJECT TO THE  
GENERAL TERMS AND  
CONDITIONS AS PRINTED ON  
THE REVERSE SIDE HEREOF  
AND AS SET FORTH HEREIN.

Sealed quotes for furnishing the supplies, equipment, services, or printing described below will be received by the Institution. TO RECEIVE CONSIDERATION FOR AWARD, THE BID WILL BE SUBMITTED ON THIS FORM IN ORIGINAL AND ONE (1) COPY. SIGNED IN FULL, IN INK, AND RECEIVED IN THE DEPARTMENT OF PROCUREMENT SERVICES TO HAVE A DATE/TIME STAMP AFFIXED, ON OR BEFORE THE DATE AND TIME SHOWN FOR THE BID OPENING. Prices will be based on units specified. The Institution reserves the right to accept or reject bids on each item separately or as a whole, to reject any or all bids, to waive informalities or irregularities and to contract in the best interest of the Institution.

**Date:** 4/8/2024      **DELIVERY IS REQUIRED NO LATER THAN:**      **BIDS OPEN AT 3:00PM ON: 4/19/24**

Item #	Quantity	Unit M	Description	Unit Price	Extended
"As Specified"					
			Shepherd University is issuing a Request for Bids for new scientific equipment as per the attached pages identifying the equipment specifications.		
			As part of this solicitation, a Shimadzu HPLC Scientific Equipment is being traded is as follows:		
			041433-Shimadzu Solvent Unit-1/1/1998		
			045118-Fraction Collector FRC10A 6/15/2006		
			048547-PL 300 Pulse Damper 3/26/2012		
			048548-ECD 700 Electrochemical Detector 3/26/2012		
			041438-Shimadzu Valve Unit 1/1/1998		
			045119-Refractive Index Detector 6/15/2006		
			045319-Vacuum Degasser-10/20/2006		
			041436-Shimadzu Wave Length Decoder-1/1/1998		
			041434-Shimadzu Solvent Unit-1/1/1998		
			048975-Network Switch purchased 12/17/2012		
<b>TOTAL</b>					

To the Department of Procurement Services,

In compliance with the above, the undersigned offers and agrees, if this offer is accepted within \_\_\_\_\_ calendar days (30 calendar days unless a different period is inserted by the purchaser) from the bid open date, specific above, to furnish any or all items upon which prices are offered, at the price set opposite each item, delivered at the designated point(s), within the time specified.

**Authorized Signature:** \_\_\_\_\_  
**Name (Printed/Typed):** \_\_\_\_\_  
**Title:** \_\_\_\_\_

**Date:** \_\_\_\_\_

Bidder guarantees shipment from \_\_\_\_\_ via \_\_\_\_\_ within \_\_\_\_\_ days.  
FOB \_\_\_\_\_ after receipt of order at address shown.

# Shepherd College

## Requisition/Purchase Order Continuation Sheet

Buyer dl	Page 2	Req. or P.O. No: P0006267
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Vendor Name

Item #	Quantity	Description	Unit Price	Extended Price
1	1	<p>Shimadzu Atomic Absorption Instrument AA 7800</p> <p>220-97317-85 Standard PC, 16 GB RAM, 1 TB SSD, MS Office</p> <p>220-97321-10 Dell 24" Widescreen Flat Panel</p> <p>208-01720-42 AA-7800F/AAC (120V)</p> <p>208-00490-41 ASC Stand Kit For Flame Analysis ONLY, AA-7800F</p> <p>220-95248-00 REGULATOR, ACETYLENE, AA</p> <p>220-95248-03 REGULATOR, AIR, AA</p> <p>200-38422-08 HOLLOW CATHODE LAMP (CU)</p> <p>200-38422-53 LAMP, HOLLOW CATHODE (FE-NI)</p> <p>200-38422-22 HOLLOW CATHODE LAMP (K)</p> <p>200-38422-12 HOLLOW CATHODE LAMP (MG)</p> <p>200-38422-14 HOLLOW CATHODE LAMP (NA)</p> <p>200-38422-21 HOLLOW CATHODE LAMP (PB)</p> <p>200-38422-18 HOLLOW CATHODE LAMP (SN)</p> <p>200-38422-23 HOLLOW CATHODE LAMP (ZN)</p> <p>TIER 3 I&amp;F Tier 3 Installation and Customer Familiarization</p> <p>220-99217-15 ATMSPC-100: INTRODUCTION TO AA INSTRUMENTATION</p> <p>1YW 1 YEAR WARRANTY</p>		

Product #	Description
AA-7800	
<b>220-97317-85</b>	<b>Standard PC, 16 GB RAM, 1 TB SSD, MS Office</b>
	<p>Dell computer suitable for most Shimadzu software packages. It is a small form factor computer (approximately 11.5"x11.5"x3.5") and includes an 12th gen Intel i7 processor, 16Gb of RAM, a 1 TB SSD, a DVD+ R/W drive, 2 ethernet ports, Windows 10 Pro, and Microsoft Office Home &amp; Business.</p> <p>Model: Dell Precision 3460  Design: Small form factor tower  Dimensions: 11.53 x 11.42 x 3.65"  Operating System (OS): Windows 10 Pro  RAM: 16 GB  Hard Drive: Single 1 TB SSD  Processor: 12th gen Intel i7  Ports:  - Ethernet (2)  - DisplayPort (3)  - USB A (9)  - USB C (1)</p> <p>Additional devices: DVD+ R/W, Dell Wired Keyboard, Dell Optical Mouse  Additional software: Microsoft Office Home &amp; Business  Warranty: 3-year on-site repair</p>
<b>220-97321-10</b>	<b>Dell 24" Widescreen Flat Panel</b>
	<p>24" Widescreen LCD display, resolution to 1920 x 1080, contrast ratio (typical): 1000:1. Brightness (typical): 250 cd/m2, 0.277 mm pixel pitch.</p> <p>Limited warranty: Three years Advanced Portable Exchange through Dell.</p> <ul style="list-style-type: none"> <li>- Resolution: 1920 x 1080</li> <li>- Panel Type: In-Plane Switching Technology</li> <li>- DisplayPort</li> <li>- Limited warranty: Three years Advanced Portable Exchange through Dell</li> <li>- Dell PN: P2411H</li> </ul>
<b>208-01720-42</b>	<b>AA-7800F/AAC (120V)</b>
	<p>The AA-7800 is a true double-beam flame atomic absorption (AA) spectrophotometer designed for the analysis of metals. It is equipped with a three-dimensional optical system that is automatically set to the optical double-beam mode for flame measurements. In addition, the high-speed digital filter and use of optical components with extremely low optical loss levels achieve data stability and high sensitivity. The system is equipped standard with two kinds of background correction - SR (High-Speed Self-Reversing) and D2 (Deuterium Lamp) methods to achieve highly accurate and reliable analytical results for a wide variety of samples. The burner height and gas flow rates are automatically set for each element and matrix. The system lamp housing includes functionality for automatically switching between eight hollow cathode lamps installed in a turret and simultaneously illuminating any two of the lamps, and is compatible with high brightness lamps. The system is equipped with a variety of safety mechanisms, such as a vibration sensor and a gas leak check function to ensure safe operation. The AA-7800 includes the AAC-7800 which is the Automatic Atomizer Changer that allows automatic burner height and burner forward/back position to be set and stored in memory for each element, method file, or template. Requires PC, not included.</p> <p>The user-friendly WizAard software provides comprehensive system policy setting, user management, log browser, audit trail, and electronic signature system management functions. It is included and contains QA/QC acceptance criteria with out of control actions. A combination of enhanced WizAard software with Shimadzu's network-compatible LabSolutions data management software supports FDA 21 CFR Part 11 Compliance. The hardware validation software makes it simple to evaluate the instrument performance. When combined with the autosampler, it automatically determines the wavelength accuracy, noise level, baseline drift, absorbance and repeatability, and prints out the results of comparison with the pass criteria.</p>
<b>208-00490-41</b>	<b>ASC Stand Kit For Flame Analysis ONLY, AA-7800F</b>
	<p>ASC stand kit required for installation of ASC-7800 when executing flame continuous only analysis. For AA-7800F.</p>
<b>220-95248-00</b>	<b>REGULATOR, ACETYLENE, AA</b>

Pressure Regulator for AA systems with 1/4 inch barbed nipple, For Acetylene

**220-95248-03 REGULATOR, AIR, AA**

Pressure Regulator for AA systems with 1/4 inch barbed nipple. For Air.

CGA 590 fitting

**200-38422-08 HOLLOW CATHODE LAMP (CU)**

Cu; Lamps - These Lamps are for use with the Self-Reversal and Deuterium Background Correction.

Element: Copper. These Lamps are for use with the Self-Reversal and Deuterium Background Correction.

**200-38422-53 LAMP, HOLLOW CATHODE (FE-NI)**

LAMP, HOLLOW CATHODE (FE-NI)

LAMP, HOLLOW CATHODE (FE-NI)

**200-38422-22 HOLLOW CATHODE LAMP (K)**

K; Lamps - These Lamps are for use with the Self-Reversal and Deuterium Background Correction.

Element: Potassium. These Lamps are for use with the Self-Reversal and Deuterium Background Correction.

**200-38422-12 HOLLOW CATHODE LAMP (MG)**

Mg; Lamps - These Lamps are for use with the Self-Reversal and Deuterium Background Correction.

Element: Magnesium. These Lamps are for use with the Self-Reversal and Deuterium Background Correction.

**200-38422-14 HOLLOW CATHODE LAMP (NA)**

Na; Lamps - These Lamps are for use with the Self-Reversal and Deuterium Background Correction.

Element: Sodium. These Lamps are for use with the Self-Reversal and Deuterium Background Correction.

**200-38422-21 HOLLOW CATHODE LAMP (PB)**

Pb; Lamps - These Lamps are for use with the Self-Reversal and Deuterium Background Correction.

Element: Lead. These Lamps are for use with the Self-Reversal and Deuterium Background Correction.

**200-38422-18 HOLLOW CATHODE LAMP (SN)**

Sn; Lamps - These Lamps are for use with the Self-Reversal and Deuterium Background Correction.

Element: Tin. These Lamps are for use with the Self-Reversal and Deuterium Background Correction.

**200-38422-23 HOLLOW CATHODE LAMP (ZN)**

Zn; Lamps - These Lamps are for use with the Self-Reversal and Deuterium Background Correction.

Element: Zinc. These Lamps are for use with the Self-Reversal and Deuterium Background Correction.

**TIER 3 I&F Tier 3 Installation and Customer Familiarization**

**220-99217-15 ATMSPC-100: INTRODUCTION TO AA INSTRUMENTATION**

In this course, students will learn the basic principles behind Flame Atomic Absorption analysis (FAA) and Graphite Furnace Atomic Absorption (GFAA), how to run analysis using the WizAArd software, and basic instrument maintenance.

Post Course Competencies

Upon completion of this course you will:

- Understand the fundamentals of Atomic Absorption analysis and the differences between FAA and GFAA.
- Be able to run routine analysis for FAA and GFAA using the WizAArd software
- Be able to perform routine maintenance of the AA-7000, including cleaning and replacing common consumable items.
- Be familiar with the features and functionalities of the WizAArd software.
- Be able to prepare and analyze samples for both FAA and GFAA analysis.
- Be able to assess the integrity of AA data generated during the class.

**1YW**

**1 YEAR WARRANTY**

1 YEAR WARRANTY

1 YEAR WARRANTY

# Shepherd College

## Requisition/Purchase Order Continuation Sheet

Buyer dl	Page 6	Req. or P.O. No: P0006267
Vendor Name		

Item #	Quantity	Description	Unit Price	Extended Price
2	1	<p>Shimadzu HPLC i-Series LC-2050 with Install Kit</p> <p>220-91640-10 LC-2050 with Install Kit</p> <p>228-57647-43 Tool Kit, Common LC-40</p> <p>220-97823-01 POWER CONDITIONER FOR LC, ABC830-11</p> <p>220-91545-01 Solvents, LC, Honeywell B&amp;J LCMS Grade Solvent Kit for Installations</p> <p>TIER 2 I&amp;F Tier 2 Installation and Customer Familiarization</p> <p>2YW LC2050-LC2060 2 YEAR WARRANTY LC-2050 / LC-2060</p> <hr/> <p>223-62700-51 LabSolutions LCGC Single LC License</p> <p>223-19189-51 LabSolutions GPC Option</p> <p>223-62705-51 LabSolutions LCGC Postrun License License</p> <p>223-62739-51 LabSolutions LCGC GPC Postrun Software License</p> <p>223-19335-51 LabSolutions LCGC WorkStation, Installation Disc</p> <p>220-97317-85 Standard PC, 16 GB RAM, 1 TB SSD, MS Office</p> <p>220-97321-10 Dell 24" Widescreen Flat Panel</p> <hr/>		

# Shepherd College

## Requisition/Purchase Order Continuation Sheet

Buyer dl	Page 7	Req. or P.O. No: P0006267
Vendor Name		

Item #	Quantity	Description	Unit Price	Extended Price
2	1	<p>Shimadzu HPLC i-Series LC-2050C 3D with Install Kit</p> <p>220-91640-12 LC-2050C 3D with Install Kit</p> <p>228-57647-43 Tool Kit, Common LC-40</p> <p>220-97823-01 POWER CONDITIONER FOR LC, ABC830-11</p> <p>220-91545-01 Solvents, LC, Honeywell B&amp;J LCMS Grade Solvent Kit for Installations</p> <p>TIER 2 I&amp;F Tier 2 Installation and Customer Familiarization</p> <p>2YW LC2050-LC2060 2 YEAR WARRANTY LC-2050 / LC-2060</p> <hr/> <p>223-62726-51 LabSolutions LCGC Single LC-PDA License</p> <hr/> <p>223-19189-51 LabSolutions GPC Option</p> <p>223-62705-51 LabSolutions LCGC Postrun License License</p> <p>223-62739-51 LabSolutions LCGC GPC Postrun Software License</p> <p>223-19335-51 LabSolutions LCGC WorkStation, Installation Disc</p> <p>220-97317-85 Standard PC, 16 GB RAM, 1 TB SSD, MS Office</p> <p>220-97321-10 Dell 24" Widescreen Flat Panel</p> <hr/>		

<b>Product #</b>	<b>Description</b>
<b>HPLC i-Series</b>	
<b>220-91640-10</b>	<b>LC-2050 with Install Kit</b>
	<p>The LC-2050 is a completely integrated HPLC system designed for Innovative, Intuitive, and Intelligent operation. A touchscreen control panel or LabSolutions software guides users of all experience levels to program methods and sample injection sequences. Ethernet configuration allows connectivity with a smart device (phone or tablet) for system control and monitoring. Routine operations such as startup, analysis, report output, and shutdown can be completely automated. An ambient autosampler and UV detector are standard, with available ports for an additional Shimadzu and 3rd party detector. The LC-2050 incorporates elements of Analytical Intelligence such as Flow Pilot feature.</p> <p>The LC-2050 consists of an inline degasser, LPGE gradient formation unit, a parallel dual micro-plunger pump (1 <math>\mu</math>L/min to 10 mL/min, 7250 psi), mixer, high-speed autosampler (0.1 to 100 <math>\mu</math>L injection, 2000 <math>\mu</math>L option) with low carryover and racks for 216 2mL vials, forced air column oven (ambient - 10C to 90C) and 190-700 nm UV detector with a temperature controlled flow cell. A solvent reservoir tray, 5 1L solvent bottles, HPLC test kit and column, 5 gal waste can with stainless fittings, and an accessory kit are included.</p>
<b>220-91640-12</b>	<b>LC-2050C 3D with Install Kit</b>
	<p>The LC-2050C 3D is a completely integrated HPLC system designed for Innovative, Intuitive, and Intelligent operation. A touchscreen control panel or LabSolutions software guides users of all experience levels to program methods and sample injection sequences. Ethernet configuration allows connectivity with a smart device (phone or tablet) for system control and monitoring. Routine operations such as startup, analysis, report output, and shutdown can be completely automated. A cooled autosampler (Ambient - 10C to 40C) and PDA detector are standard, with available ports for an additional Shimadzu and 3rd party detector. The LC-2050C incorporates elements of Analytical Intelligence including Flow Pilot feature.</p> <p>The LC-2050C 3D consists of an inline degasser, LPGE gradient formation unit, a parallel dual micro-plunger pump (1 <math>\mu</math>L/min to 10 mL/min, 7250 psi), mixer, high-speed autosampler (0.1 to 100 <math>\mu</math>L injection, 2000 <math>\mu</math>L option) with low carryover and racks for 216 2mL vials, forced air column oven (ambient - 10C to 90C) and 190-800 nm PDA detector with a temperature controlled flow cell. A solvent reservoir tray, 5 1L solvent bottles, HPLC test kit and column, 5 gal waste can with stainless fittings, and an accessory kit are included.</p>
<b>228-57647-43</b>	<b>Tool Kit, Common LC-40</b>
	<p>Shared tool kit for the i-Series and LC-40. Includes wrenches, seal installer tool, syringes and adapters, rotor replacement tool, and other items for routine maintenance on i-Series and LC-40 Series units.</p> <p>Shared tool kit for the i-Series and LC-40.</p>
<b>228-57647-43</b>	<b>Tool Kit, Common LC-40</b>
	<p>Shared tool kit for the i-Series and LC-40. Includes wrenches, seal installer tool, syringes and adapters, rotor replacement tool, and other items for routine maintenance on i-Series and LC-40 Series units.</p> <p>Shared tool kit for the i-Series and LC-40.</p>
<b>220-97823-01</b>	<b>POWER CONDITIONER FOR LC, ABC830-11</b>
	<p>This unit is recommended for the supply of clean power to an LC system or the MS side of a GCMS system.</p> <p>1000VA Power Conditioner 8.3A, 120 V Input/Output Isolation, Filtering &amp; Surge Suppression. NEMA 5-15P IN, (6) 5-15R Out</p>
<b>220-97823-01</b>	<b>POWER CONDITIONER FOR LC, ABC830-11</b>
	<p>This unit is recommended for the supply of clean power to an LC system or the MS side of a GCMS system.</p> <p>1000VA Power Conditioner 8.3A, 120 V Input/Output Isolation, Filtering &amp; Surge Suppression. NEMA 5-15P IN, (6) 5-15R Out</p>
<b>220-91545-01</b>	<b>Solvents, LC, Honeywell B&amp;J LCMS Grade Solvent Kit for Installations</b>



Honeywell B&J brand LCMS grade solvents. Packaged as a case of four 1L bottles. Case contains the following solvents:

- 1L of Acetonitrile
- 1L of Methanol
- 1L of Water
- 1L of 2-propanol

Please note that overnight shipping is not possible for this item due to hazmat restrictions

Honeywell B&J brand LCMS grade solvents. Packaged as a case of four 1L bottles. Case contains the following solvents:

- 1L of Acetonitrile
- 1L of Methanol
- 1L of Water
- 1L of 2-propanol

Size: 1L bottles

\*\*Please note that overnight shipping is not possible for this item due to hazmat restrictions\*\*

**220-91545-01 Solvents, LC, Honeywell B&J LCMS Grade Solvent Kit for Installations**

Honeywell B&J brand LCMS grade solvents. Packaged as a case of four 1L bottles. Case contains the following solvents:

- 1L of Acetonitrile
- 1L of Methanol
- 1L of Water
- 1L of 2-propanol

Please note that overnight shipping is not possible for this item due to hazmat restrictions

Honeywell B&J brand LCMS grade solvents. Packaged as a case of four 1L bottles. Case contains the following solvents:

- 1L of Acetonitrile
- 1L of Methanol
- 1L of Water
- 1L of 2-propanol

Size: 1L bottles

\*\*Please note that overnight shipping is not possible for this item due to hazmat restrictions\*\*

**TIER 2 I&F Tier 2 Installation and Customer Familiarization**

Tier 2 Installation and Customer Familiarization.

Tier 2 Installation and Customer Familiarization.

**TIER 2 I&F Tier 2 Installation and Customer Familiarization**

Tier 2 Installation and Customer Familiarization.

Tier 2 Installation and Customer Familiarization.

**2YW LC2050-LC2060 2 YEAR WARRANTY LC-2050 / LC-2060**

**2YW LC2050-LC2060 2 YEAR WARRANTY LC-2050 / LC-2060**

**Computers & Software**

**223-62700-51 LabSolutions LCGC Single LC License**

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Shimadzu LabSolutions® Workstation Software provides system control, data acquisition and reporting for Shimadzu HPLC and GC systems.

LabSolutions Workstation provides user-friendly workstation software for HPLC and GC instruments. LabSolutions has built in system security and system management functions. Data can be saved, in a proprietary format, to a computers local hard drive or to network location.

LabSolutions Workstation supports digital data acquisition of data through RS-232, USB, or Ethernet connection to Shimadzu and third party instruments. Analog signal acquisition can also be performed when an optional A/D board is used.

This part number provides a license to control a single Shimadzu LC using LabSolutions Workstation. It does not include any PDA or GC licenses

Each LabSolutions Workstation and LabSolutions Database computer can accommodate a combined maximum of 4 HPLC and GC instruments. Additional licenses can be added at a later date if needed.

Adding an instrument may also require purchasing additional RS-232C or Ethernet Cables for the connection.

#### **223-62726-51 LabSolutions LCGC Single LC-PDA License**

Labsolutions Workstation Single LC/PDA license (1xLC/1xPDA)

Shimadzu LabSolutions® Workstation Software provides system control, data acquisition and reporting for Shimadzu HPLC and GC systems.

LabSolutions Workstation provides user-friendly workstation software for HPLC and GC instruments. LabSolutions has built in system security and system management functions. Data can be saved, in a proprietary format, to a computers local hard drive or to network location.

LabSolutions Workstation supports digital data acquisition of data through RS-232, USB, or Ethernet connection to Shimadzu and third party instruments. Analog signal acquisition can also be performed when an optional A/D board is used.

This part number provides a license to control 1 Shimadzu LC instrument and 1 Shimadzu PDA detector using LabSolutions Workstation on a single computer.

It does not include any GC licenses

Each LabSolutions Workstation and LabSolutions Database computer can accommodate a combined maximum of 4 HPLC and GC instruments and a maximum of 2 PDA detectors. Additional licenses can be added later if needed.

Adding an instrument may also require purchasing additional RS-232C, USB, or Ethernet Cables for the connection.

#### **223-19189-51 LabSolutions GPC Option**

This license is to enable LabSolutions GPC postrun software on Labsolutions Lite, LabSolutions Workstation, and LabSolutions Database software installations.

Additional software installation disc is not required for this license to work. It can be used with any Existing LabSolutions Software package installaiton.

#### **223-19189-51 LabSolutions GPC Option**

This license is to enable LabSolutions GPC postrun software on Labsolutions Lite, LabSolutions Workstation, and LabSolutions Database software installations.

Additional software installation disc is not required for this license to work. It can be used with any Existing LabSolutions Software package installaiton.

#### **223-62705-51 LabSolutions LCGC Postrun License License**

Shimadzu LabSolutions® Workstation Software provides system control, data acquisition and reporting for Shimadzu HPLC and GC systems.

LabSolutions Workstation provides user-friendly workstation software for HPLC and GC instruments. LabSolutions has built in system security and system management functions. Data can be saved, in a proprietary format, to a computers local hard drive or to network location.

LabSolutions Workstation supports digital data acquisition of data through RS-232, USB, or Ethernet connection to Shimadzu and third party instruments. Analog signal acquisition can also be performed when an optional A/D board is used.

This part number does not provide any license to control or acquire data from any Shimadzu instrument.

It is used to license LabSolutions Workstation on a second computer that may then be used to reprocess LC and GC data.

This license does not include GPC postrun options.

**223-62705-51 LabSolutions LCGC Postrun License License**

Shimadzu LabSolutions® Workstation Software provides system control, data acquisition and reporting for Shimadzu HPLC and GC systems.

LabSolutions Workstation provides user-friendly workstation software for HPLC and GC instruments. LabSolutions has built in system security and system management functions. Data can be saved, in a proprietary format, to a computers local hard drive or to network location.

LabSolutions Workstation supports digital data acquisition of data through RS-232, USB, or Ethernet connection to Shimadzu and third party instruments. Analog signal acquisition can also be performed when an optional A/D board is used.

This part number does not provide any license to control or acquire data from any Shimadzu instrument.

It is used to license LabSolutions Workstation on a second computer that may then be used to reprocess LC and GC data.

This license does not include GPC postrun options.

**223-62739-51 LabSolutions LCGC GPC Postrun Software License**

Shimadzu LabSolutions® Workstation Software provides system control, data acquisition and reporting for Shimadzu HPLC and GC systems.

LabSolutions Workstation provides user-friendly workstation software for HPLC and GC instruments. LabSolutions has built in system security and system management functions. Data can be saved, in a proprietary format, to a computers local hard drive or to network location.

LabSolutions Workstation supports digital data acquisition of data through RS-232, USB, or Ethernet connection to Shimadzu and third party instruments. Analog signal acquisition can also be performed when an optional A/D board is used.

This part number does not provide any license to control or acquire data from any Shimadzu instrument.

It is used to license LabSolutions Workstation on a second computer that may then be used to reprocess LC and GC data.

This license includes LabSolutions GPC postrun options.

**223-62739-51 LabSolutions LCGC GPC Postrun Software License**

Shimadzu LabSolutions® Workstation Software provides system control, data acquisition and reporting for Shimadzu HPLC and GC systems.

LabSolutions Workstation provides user-friendly workstation software for HPLC and GC instruments. LabSolutions has built in system security and system management functions. Data can be saved, in a proprietary format, to a computers local hard drive or to network location.

LabSolutions Workstation supports digital data acquisition of data through RS-232, USB, or Ethernet connection to Shimadzu and third party instruments. Analog signal acquisition can also be performed when an optional A/D board is used.

This part number does not provide any license to control or acquire data from any Shimadzu instrument.

It is used to license LabSolutions Workstation on a second computer that may then be used to reprocess LC and GC data.

This license includes LabSolutions GPC postrun options.

**223-19335-51 LabSolutions LCGC WorkStation, Installation Disc**

Shimadzu LabSolutions® Workstation Software provides system control, data acquisition and reporting for Shimadzu HPLC and GC systems.

LabSolutions Workstation provides user-friendly workstation software for HPLC and GC instruments. LabSolutions has built in system security and system management functions. Data can be saved, in a proprietary format, to a computers local hard drive or to network location.

LabSolutions Workstation supports digital data acquisition of data through RS-232, USB, or Ethernet connection to Shimadzu and third party instruments. Analog signal acquisition can also be performed when an optional A/D board is used.

This item includes an installation disc for the current version of LabSolutions Workstation software.

It does not include any LabSolutions licenses. Any licenses must be purchased separately.

**223-19335-51 LabSolutions LCGC WorkStation, Installation Disc**

Shimadzu LabSolutions® Workstation Software provides system control, data acquisition and reporting for Shimadzu HPLC and GC systems.

LabSolutions Workstation provides user-friendly workstation software for HPLC and GC instruments. LabSolutions has built in system security and system management functions. Data can be saved, in a proprietary format, to a computers local hard drive or to network location.

LabSolutions Workstation supports digital data acquisition of data through RS-232, USB, or Ethernet connection to Shimadzu and third party instruments. Analog signal acquisition can also be performed when an optional A/D board is used.

This item includes an installation disc for the current version of LabSolutions Workstation software.

It does not include any LabSolutions licenses. Any licenses must be purchased separately.

**220-97317-85 Standard PC, 16 GB RAM, 1 TB SSD, MS Office**

Dell computer suitable for most Shimadzu software packages. It is a small form factor computer (approximately 11.5"x11.5"x3.5") and includes an 12th gen Intel i7 processor, 16Gb of RAM, a 1 TB SSD, a DVD+ R/W drive, 2 ethernet ports, Windows 10 Pro, and Microsoft Office Home & Business.

Model: Dell Precision 3460

Design: Small form factor tower

Dimensions: 11.53 x 11.42 x 3.65"

Operating System (OS): Windows 10 Pro

RAM: 16 GB

Hard Drive: Single 1 TB SSD

Processor: 12th gen Intel i7

Ports:

- Ethernet (2)
- DisplayPort (3)
- USB A (9)
- USB C (1)

Additional devices: DVD+ R/W, Dell Wired Keyboard, Dell Optical Mouse

Additional software: Microsoft Office Home & Business

Warranty: 3-year on-site repair

**220-97317-85 Standard PC, 16 GB RAM, 1 TB SSD, MS Office**

Dell computer suitable for most Shimadzu software packages. It is a small form factor computer (approximately 11.5"x11.5"x3.5") and includes an 12th gen Intel i7 processor, 16Gb of RAM, a 1 TB SSD, a DVD+ R/W drive, 2 ethernet ports, Windows 10 Pro, and Microsoft Office Home & Business.

Model: Dell Precision 3460  
 Design: Small form factor tower  
 Dimensions: 11.53 x 11.42 x 3.65"  
 Operating System (OS): Windows 10 Pro  
 RAM: 16 GB  
 Hard Drive: Single 1 TB SSD  
 Processor: 12th gen Intel i7  
 Ports:  
 - Ethernet (2)  
 - DisplayPort (3)  
 - USB A (9)  
 - USB C (1)  
 Additional devices: DVD+ R/W, Dell Wired Keyboard, Dell Optical Mouse  
 Additional software: Microsoft Office Home & Business  
 Warranty: 3-year on-site repair

**220-97321-10 Dell 24" Widescreen Flat Panel**

24" Widescreen LCD display, resolution to 1920 x 1080, contrast ratio (typical): 1000:1. Brightness (typical): 250 cd/m2, 0.277 mm pixel pitch.

- Limited warranty: Three years Advanced Portable Exchange through Dell.
- Resolution: 1920 x 1080
  - Panel Type: In-Plane Switching Technology
  - DisplayPort
  - Limited warranty: Three years Advanced Portable Exchange through Dell
  - Dell PN: P2411H

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**Shepherd University  
Continuation Sheet**

dl

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P0006267

Vendor Name

Item #	Quantity	Description	Unit Price	Extended Price
		<p>1. Time is of the essence, and delivery may be considered in making an award.</p> <p>2. Specifications shown are to be used to indicate the level of performance and quality of the equipment required.</p> <p>3. Please include descriptive literature with your Bid of the equipment to ensure the specific brand indicated is being offered.</p> <p>4. Failure of successful bidder to make delivery as quoted herein will be considered sufficient cause for cancellation.</p> <p>If vendor name and/or address to be indicated on invoice will differ from that of the purchase order if it is necessary that invoice name and address be shown below:</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p>		

STATE OF WEST VIRGINIA  
Purchasing Division  
**PURCHASING AFFIDAVIT**

**CONSTRUCTION CONTRACTS:** Under W. Va. Code § 5-22-1(i), the contracting public entity shall not award a construction contract to any bidder that is known to be in default on any monetary obligation owed to the state or a political subdivision of the state, including, but not limited to, obligations related to payroll taxes, property taxes, sales and use taxes, fire service fees, or other fines or fees.

**ALL CONTRACTS:** Under W. Va. Code §5A-3-10a, no contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and: (1) the debt owed is an amount greater than one thousand dollars in the aggregate; or (2) the debtor is in employer default.

**EXCEPTION:** The prohibition listed above does not apply where a vendor has contested any tax administered pursuant to chapter eleven of the W. Va. Code, workers' compensation premium, permit fee or environmental fee or assessment and the matter has not become final or where the vendor has entered into a payment plan or agreement and the vendor is not in default of any of the provisions of such plan or agreement.

**DEFINITIONS:**

"Debt" means any assessment, premium, penalty, fine, tax or other amount of money owed to the state or any of its political subdivisions because of a judgment, fine, permit violation, license assessment, defaulted workers' compensation premium, penalty or other assessment presently delinquent or due and required to be paid to the state or any of its political subdivisions, including any interest or additional penalties accrued thereon.

"Employer default" means having an outstanding balance or liability to the old fund or to the uninsured employers' fund or being in policy default, as defined in W. Va. Code § 23-2c-2, failure to maintain mandatory workers' compensation coverage, or failure to fully meet its obligations as a workers' compensation self-insured employer. An employer is not in employer default if it has entered into a repayment agreement with the Insurance Commissioner and remains in compliance with the obligations under the repayment agreement.

"Related party" means a party, whether an individual, corporation, partnership, association, limited liability company or any other form or business association or other entity whatsoever, related to any vendor by blood, marriage, ownership or contract through which the party has a relationship of ownership or other interest with the vendor so that the party will actually or by effect receive or control a portion of the benefit, profit or other consideration from performance of a vendor contract with the party receiving an amount that meets or exceed five percent of the total contract amount.

**AFFIRMATION:** By signing this form, the vendor's authorized signer affirms and acknowledges under penalty of law for false swearing (W. Va. Code §61-5-3) that: (1) for construction contracts, the vendor is not in default on any monetary obligation owed to the state or a political subdivision of the state, and (2) for all other contracts, that neither vendor nor any related party owe a debt as defined above and that neither vendor nor any related party are in employer default as defined above, unless the debt or employer default is permitted under the exception above.

**WITNESS THE FOLLOWING SIGNATURE:**

Vendor's Name: \_\_\_\_\_

Authorized Signature: \_\_\_\_\_ Date: \_\_\_\_\_

State of \_\_\_\_\_

County of \_\_\_\_\_, to-wit:

Taken, subscribed, and sworn to before me this \_\_\_\_ day of \_\_\_\_\_, 20\_\_.

My Commission expires \_\_\_\_\_, 20\_\_.

**AFFIX SEAL HERE**

**NOTARY PUBLIC** \_\_\_\_\_