

The Texas A&M University System

ORGANIZATION		DEPARTMENT	
Organization	AM02 - Texas A&M University	Department	02CHEM
Address	401 Joe Routt Boulevard College Station, TX 77843	Bill-to-Address	750 Agronomy Road - Suite 3101 6000 TAMU Attn: Email invoices to invoices@tamu.edu Attn: Do not mail invoice if sending via email College Station, TX 778436000
Purchaser	Angel Constancio	Ship-to-Address	CHEMISTRY BLDG. Room 014 Corner of Spence & Ross St. 3255 TAMU COLLEGE STATION, TX 778433255
Info Contact	Contact CARRIE FREDERIKSEN at (979)845-3216; Email: carrie.frederiksen@chem.tamu.edu		

BID INFORMATION			
Description	Automatic Gas Sorption Analyzer		
Bulletin Desc.			
Bid Number	AM02-16-B000474	Bid Opening Date	07/21/2016 2:00 PM
Bid Type	Open Market	Type Code	Invitation for Bid
Alternate Id	51557AE	Fiscal Year	2016
		Available Date	07/07/2016 8:27 AM
Pre-Bid Conference			
Attachments	Bid Information - Bid B000474 - Automatic Gas sorption Analyzer.pdf Insurance Requirements~13.pdf Substitute W9 - New - February 19 2016~7.pdf Terms and Conditions (NEW) - All Departments~8.pdf		

AMENDMENTS

ITEMS					
Item	Description	Quantity	Unit	Unit Price	Total
1.000	DynaSorb BT - Automatic gas sorption analyzer Analysis capabilities include: *Determination of breakthrough curves, *Investigation of kinetic performance of adsorbents, *Investigation of co-adsorption and displacement phenomena, *Determination of sorption selectivity, *Reasonable downscaling of technical separation processes, *Dynamic adsorption and desorption experiments; *Determination of single- and multi-component adsorption data, *Investigation of heat profiles along the adsorber bed. Cable of handling both low gas flow rates and higher gas flow rates up to 40 L/min. Instrument must be configured with at least 2 highly accurate mass flow controllers(not included in instrument) and may have up to 4 total. Built in thermal conductivity detector measures small changes in gas concentration, however, a mass spectrometer may be coupled with the unit for higher degrees of analysis resolution.	1.00	EA		
2.000	Evaporator Option, 110 - Direct liquid injection into a heated tube which vaporizes the liquid. The vapor is diluted in a heated manifold (60 degree C) to produce the desired partial pressure of vapor.	1.00	EA		
3.000	Mass Flow Controller for DynaSorb, 2.0 L/m - for maximum flow rates from as small as 2% of full scale to 2.0 L/min.	2.00	EA		
4.000	Mass Flow Controller for DynaSorb, 1.0 L/m - Allows for maximum flow rates from as small as 2% of full scale to 1.0 L/min.	1.00	EA		
5.000	Small Adsorber Column - 1cm x 6xm column for use with small sample volumes.	1.00	EA		
6.000	DynaSorb BT Reference Material I- Standard Material: 50 g for instrument test (1 x filling of standard reactor)	1.00	EA		
7.000	Controller/Data Management Module (PC) - Dell Optiplex or equivalent equipped with Windows 7 Professional or newer. To include 19" Flat Screen Monitor	1.00	EA		

The Texas A&M University System

<u>Item</u>	<u>Description</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Total</u>
8.000	Advanced DynaSorb BT Operator Training Course - 2 day courses to provide an effective balance of handson practical knowledge and theoretical background.	1.00	EA		
9.000	DynaSorb Temperature Controller/Circulator - provides selection and thermostating of analysis temperature between -20 to 90 degrees C.	1.00	EA		
10.000	Recirculation Breaker - Includes recirculating beaker temperature probe, circulator quick connector, beaker stand, hose, and hose clamps	1.00	EA		