

JUSTIFICATION FOR SOLE SOURCE (Simplified Acquisitions <\$150K)

The service or material listed on N0016111RC16754 is sole source and competition is precluded for reasons indicated below. There are no substitutes available for this material or service.

Restricted to the following source. Provide original manufacturer's name. (If a sole source manufacturer distributes via dealers, ALSO provide dealer information.)

Manufacturer: TA Instruments – Waters LLC

Manufacturer POC & phone No.: Jeremy Smith (302) 449-1424

Mfr. Address: 159 Lukens Drive
New Castle, DE 19720

Dealer / Rep: Same As Manufacturer

Dealer / Rep address / phone nr. _____

XX Description of the item or service required, the estimated cost, and required delivery date.

The HR-2 Discovery Hybrid Rheometer is utilized in the performance of thermal analysis testing. The required delivery date is 15 December 2011.

XX Specific characteristics of the material or service that limit the availability to a sole source (unique features, function of the item, etc.). Describe in detail why only this suggested source can furnish the requirements to the exclusion of other sources.

TA Instruments is the sole manufacturer and distributor of the required HR-2 Rheometer. The HR-2 Rheometer is compatible with existing DSC, TGA and Micro-Calorimeter instruments previously purchased from TA Instruments and currently utilized by the United States Naval Academy (USNA) Physics Department. The consistency of brand name will supports current and future collaboration as well as facilitate sharing of data within the Physics Department. In addition the HR-2 is compatible with existing vane shear geometry currently owned by the USNA Hydro Lab.

XX The requested material or service represents the minimum requirements of the government.

CHECK & FILL IN ALL APPLICABLE BLANKS BELOW

XX The material/service must be compatible in all aspects (form, fit and function) with existing systems presently installed/performing. Describe the equipment/function you have now and how the new item/service must coordinate, connect, or interface with the existing system.

The required instrument is compatible with equipment currently on hand within the USNA Physics Department. The consistency of the TA Instruments enables the potential to swap existing accessory components with other TA Instruments in the USNA inventory. The instructors, students and technical support staff are familiar with the operation/maintenance of the TA Instruments equipment.

XX A patent, copyright or proprietary data limits competition. The proprietary data is the patented drag cup motor and the patented Smart Swap geometries software.

___ These are "direct replacements" parts/components for existing equipment.

___ Other information to support a sole source buy:

I CERTIFY THAT STATEMENTS CHECKED, AND INFORMATION PROVIDED ABOVE, ARE COMPLETE AND CORRECT TO THE BEST OF MY KNOWLEDGE. I UNDERSTAND THAT THE PROCESSING OF THIS SOLE SOURCE JUSTIFICATION PRECLUDES THE USE OF FULL AND OPEN COMPETITION.

Signature [Handwritten Signature]
Activity USNA Hydromechanics Lab

Title Branch Head
4/25/11 Date 4/24/2011

Contracting Officer Signature Matthew Moreleschi

Date September 2, 2011
SAP Sole Source