NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
NASA SHARED SERVICES CENTER

RECOMMENDATION AND DETERMINATION TO SOLICIT FROM ONE SOURCE
OR BRAND NAME

PICK ONE

Sole Source:
☐I recommend that NASA, NASA Shared Services Center negotiate with Vendor Name only for Enter Supply or Service to be procured. The total estimated cost of this effort is Enter Dollar amount and the estimated period of performance or lead-time for delivery is Date.

OR

Brand Name Justification:
☒I recommend that NASA, NASA Shared Services Center negotiate with only vendors who can provide the subject brand name from CDS ANALYTICAL, LLC for one Pyroprobe® 6200 Pyrolyzer, accessories, and installation. The estimated period of performance or lead-time for delivery is 4 weeks.

This recommendation is for the acquisition of supplies or services determined to be reasonably available from only one source/only one manufacturer. Competition is impractical for the following reasons (please answer the questions below):

1. **What are the reasons for soliciting only the suggested source/suggested brand name?** Please provide the unique characteristics of the items or services along with the supporting rationale and the market research performed to substantiate your reason for the suggested source/brand name.

   The Pyroprobe 6200 is a specialized analytical instrument designed for pyrolysis-GC-MS analysis of complex materials including polymers, environmental samples, microplastics, advanced materials, and planetary research samples. Its integrated design, performance specifications, and proprietary technologies are unique. The installation of the Pyroprobe 6200 to the existing laboratory GCMS is very complicated and requires a Certified Service Technician on site of customer lab to perform interfacing of instrumentation and all electronic and pneumatic connections. Required customer orientation includes overview of software and sample analysis. This acquisition is necessary to ensure compatibility, performance integrity, warranty coverage, and mission-critical reliability for use within NASA's analytical laboratory environment.

2. **What is the impact to the government if another vendor/brand is used?** Include any dollar, schedule, or compatibility impacts if possible.

   The impact to the government if another BRAND is used are as follows: (1) compatibility impacts as the Pyroprobe 6200 integrates seamlessly with existing GCMS hardware; (2) increased cost and schedule for increased training time as laboratory staff are already familiar with the operation of the Pyroprobe 6200 and have several other units. (3) The Pyroprobe® 6200 is a highly specialized scientific instrument that integrates directly with existing GC-MS analytical systems. Its design incorporates proprietary hardware, software, thermal control algorithms, and interface components that are exclusively developed, maintained, and supported by the OEM. Thus, only the OEM or an OEM-authorized distributor can provide the equipment with proper certification, configuration, and technical support necessary to ensure full functionality. Use of unauthorized, third-party sources introduces the risk of mismatched components, firmware incompatibilities, incorrect installation, or failure to meet required analytical specifications. Long-term mission testing and research operations require reliable technical support, firmware updates, and access to replacement components. Only the OEM and authorized distributors provide lifecycle support, engineering updates, and maintenance necessary to ensure continued safe and effective operation. The OEM limits warranty coverage and service eligibility to products purchased

directly from OEM or its certified distributors. Procurement through unauthorized resellers voids warranty protections, prevents access to OEM service engineers, and eliminates support for hardware failures, calibration verification, and software updates. Only OEM Certified technicians are authorized to install the Pyroprobe 6200 and provide training to lab users. For mission-critical laboratory instrumentation, loss of warranty and support constitutes an unacceptable operational risk. Procurement such as purchasing through unauthorized third-party sellers acting as intermediaries introduces risks including: (1) Inability to verify chain-of-custody and authenticity of the instrument; (2) Potential for mismatched components or outdated firmware; (3) No OEM-backed installation, service, or technical support; (4) Unvalidated performance that may compromise scientific results; (5) Increased cost and downtime due to unsupported repairs or re-calibration. These risks directly impact NASA's ability to maintain reliable analytical capability and to meet project schedules and scientific quality standards. Therefore, a brand-name, acquisition is fully justified.

ADDITIONAL COMMENTS:

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_____ 6/17/2026

Technical User Name **Date**

Research Scientist

Title

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Office