

ITEM OPPORTUNITY SYNOPSIS

Scouting Number:	2024-220
Name of the item to be scouted:	Flow Injection TA Analyzer
State item to be used in:	Washington
Describe the Item:	
Please describe the item application/the end use of the item.	The National Oceanic and Atmospheric Administration (NOAA), Oceanic and Atmospheric Research (OAR), Pacific Marine Environmental Laboratory (PMEL) is in need of one (1) TA Analyzer for Total Alkalinity in Seawater with associated Crossflow Filter device to study ocean acidification in coastal surface water. These instruments are used to measure alkalinity in marine environments around the world.
Supplier Information:	
Type of Supplier Being Sought (select from the list below):	
Manufacturer	x
Contract Manufacturer	
Distributor	
Other (Please Specify)	
Reason for Scouting Submission (select from the list below)	
2nd Supplier	
Price	
Re-Shore	
Past supplier no longer available	
New Product Startup	
BABA	x
Other (Please Specify)	
Summary of Technical Specifications and Performance Requirements:	
Describe the manufacturing processes (elaborate to provide as much detail as possible)	Manufacturing process unknown beyond the provided specifications.
Provide dimensions / size / tolerances / performance specifications of the item	To collect these measurements systems are required to perform climate-quality, highly accurate analysis of the concentration of carbon dioxide in seawater. The system must be able to be deployed on oceanographic and laboratory-based platforms, allowing for remote, autonomous, high-resolution measurements of seawater total alkalinity to be made of flowing seawater every 3–10 minutes. Additionally, the system must be capable of interfacing with the underway CO2 analytical systems used by the PMEL Carbon Group to work in conjunction with the system, allowing for measurements to be recorded alongside surface seawater CO2 measurements. The measurements these systems will be ready to make are of critical importance in our effort to constrain the rates of ocean acidification (i.e., increasing CO2 and acidity) in coastal ecosystems of the Pacific Coast of North America.
List required materials needed to make the product, including materials of product components, if applicable	Materials unknown beyond the provided specifications.
Are there applicable certification requirements?	
Yes	
No	x
Please explain:	
Are there any applicable regulations that apply to the production of this item?	
Yes	
No	x
Please explain:	
Are there any other standards / requirements?	
Yes	
No	x
Please explain:	
NAICS CODES:	
NAICS 1	334519 Other Measuring and Controlling Device Manufacturing

NAICS 2	
Additional Comments:	
Additional technical comments:	
Volume and Pricing:	
Estimated Potential Business Volume (i.e. #units per day, month, year):	Single purchase for a quantity of 1
Estimated Target Price/Unit Cost Information:	\$43,699.00
Delivery Requirements:	
When is it needed by? (Immediate, 30 days, 6 months, etc.)	August 1, 2024
Describe packaging requirements (i.e. individually/group packaging, etc.)	Single package, smaller than a freight shipment
Where will this item be shipped?	Seattle, WA 98115
Additional Comments:	
Is there other information you would like to include?	Contact information for questions including BABA/Buy American compliance: Marcelle Loveday mloveday@doc.gov Please copy scouting@nist.gov on all correspondence.