

# ITEM OPPORTUNITY SYNOPSIS

Name of the item to be scouted: Solvent Evaporator

State item to be used in: Oregon

## Describe the Item:

**Please describe the item application/the end use of item.** Solvent Evaporator unit that has the following salient characteristics --solvent evaporator similar to Turbovap o Solvent evaporation using gas vortex shearing technology o Can be used to evaporate tube sizes ranging from 10-32 mm o.d. and 32-165 mm in length o Flexible rack system for holding evaporation tubes o Flexible and adjustable configurations for changing needs o Visible water bath level and samples while in operation o Evaporation complete indicator o Removable and adjustable nozzles for cleaning and replacement o Adjustable gas flow capabilities o Water bath drain port o Water bath range: ambient to minimum 75°C o Adaptable to common consumable tubes and vials o PFAS analysis compliant --Sample Holder o Rack for use with solvent evaporator (similar to the TurboVap® LV (product code 415000)) o Holds 24 tubes, 21-32 mm o.d. in varying lengths o PFAS analysis compliant --Sample Tubes o Rack for use with solvent evaporator (similar to the TurboVap® LV (product code 415000)) o Holds 48 tubes, 10-20 mm o.d. in varying lengths o PFAS analysis compliant

## Supplier Information:

Type of Supplier being sought (select from list below)

**Manufacturer**

Contract Manufacturer

Distributor

Other (please specify)

Reason for scouting submission (select from list below)

2<sup>nd</sup> Supplier

Price

Re-Shore

Past supplier no longer available

New Product Startup

**Other (please specify)** Buy America (Laboratory Startup)

## Summary of Technical Specifications and Performance Requirements:

**Describe the manufacturing processes (elaborate to provide as much detail as possible).** Electronic and mechanical assembly. The EPA Region 9 laboratory provide a wide range of analytical capability to superfund,

office of water, enforcement and other organizations. Clean water is at the heart of every analytical procedure we do. Our lab has begun PFAS analysis and requires this equipment for method 1633 and 533.

**Provide dimensions / size / tolerances / performance specifications of the item.** 16" x 16" x 16" or less with the following specifications --solvent evaporator similar to Turbovap o Solvent evaporation using gas vortex shearing technology o Can be used to evaporate tube sizes ranging from 10-32 mm o.d. and 32-165 mm in length o Flexible rack system for holding evaporation tubes o Flexible and adjustable configurations for changing needs o Visible water bath level and samples while in operation o Evaporation complete indicator o Removable and adjustable nozzles for cleaning and replacement o Adjustable gas flow capabilities o Water bath drain port o Water bath range: ambient to minimum 75°C o Adaptable to common consumable tubes and vials o PFAS analysis compliant --Sample Holder o Rack for use with solvent evaporator (similar to the TurboVap® LV (product code 415000)) o Holds 24 tubes, 21-32 mm o.d. in varying lengths o PFAS analysis compliant --Sample Tubes o Rack for use with solvent evaporator (similar to the TurboVap® LV (product code 415000)) o Holds 48 tubes, 10-20 mm o.d. in varying lengths o PFAS analysis compliant

**List required materials needed to make the product, including materials of product components, if applicable.** Steel, glass, electronics, gas supply, solvent lines (PEEK plastic used)

**Are there applicable certification requirements?**

Yes

No

**Please Explain:** We need to be in compliance with method with EPA method 1633.

**Are there any applicable regulations that apply to the production of this item?**

Yes

No

**Please Explain:**

**Are there any other standards, requirements?**

Yes

No

**Please Explain:**

**Additional Comments:**

**Additional technical comments:** The Region 9 laboratory is standing up its perfluoroalkyl analytical capabilities. We are aware that contamination is difficult to control for, and so we will put additional scrutiny on the tubing used in this process.

**Volume and Pricing:**

**Estimated Potential Business Volume (i.e. #Units per day, month, year):** 1-2 units every 10 years.

**Estimated Target Price / Unit Cost Information:** \$15,000/unit

**Delivery Requirements:**

**When is it needed by? (Immediate, 30 days, 6 months, etc)** October 25, 2023

**Describe packaging requirements (i.e., individually/ group packaging).** Palleted

**Where will this item be shipped?** 200 SW 35th Street Corvallis, OR, 97333