

MEPNN Supplier Scouting Opportunity Synopsis

Section 1: General Information

Scouting Number	2025-046
Item to be Scouted	Water Based Colloid Concentration
Days to be scouted	60
Response Due By	04/21/2025
Description	Seeking a manufacturing process capable of concentrating a water-based colloid. The process should achieve an ~85% volume reduction while ensuring all non-volatile, high molecular weight components remain suspended in solution at the target concentration. The resulting distillate will consist solely of water.
Notify Requester Immediately	No
State item to be used in	Florida

Section 2: Technical Information

Type of supplier being sought	Manufacturer
Reason	2nd Supplier
Describe the manufacturing processes (elaborate to provide as much detail as possible)	Manufacturing process includes but is not limited to preparation of raw materials, emulsion polymerization, stabilization, and characterization.
Provide dimensions / size / tolerances / performance specifications for the item	+/- 1.5% Water based colloid needs to be concentrated from ~1.5% solids to ~40% via removal of water. Concentration results in about an 85% volume reduction from provided feed. Distillate would consist of water only with all other components of feed being low volatility and high molecular weight, staying in solution. All components in solution stay suspended at concentrate target
List required materials needed to make the product, including materials of product components	Pilot or production scale reactor with vacuum capabilities and corrosion resistant
Are there applicable certification requirements?	Yes
Certification(s) required	cGMP ,ISO 9001
Are there applicable regulations?	No
Are there any other standards, requirements, etc.?	No
NAICS 1	
NAICS 2	
Additional Technical Comments	pH of the provided feed is in the range of 3.5-4.5. pH of the concentrate is in the range of 1.5-2.5.

Section 4: Business Information

Estimated potential business volume	Week A: approximately 5,500 gal; week B: approximately 9,400 gal (run continuously throughout the year (can adjust volumes to those that toller can complete if not feasible)
Estimated target price / unit cost information (if unavailable explain)	\$15,000/unit USD

When is it needed by?	3/24/2025
Describe packaging requirements	Corrosion resistant 55-gal drums
Where will this item be shipped?	Supplier company in Florida

Additional Comments

Is there other information you would like to include?	
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