

To :

RESONATE PROPERTIES
796 State Route 293
EDDYVILLE KY 42038
United States

Phone: () -

Fax: () -

Attention : MATHEW WILLSE

Anderson Dahlen is pleased to offer the following quotation:

Item	Facility / Part / Rev / Description / Details	Quantity Quoted	Unit Price	Extended Price
001	FEED/MIX SYSTEM Rev NS U/M eac 1. The feed/mix system shall be designed to mix a ground hemp material similar to the samples provided with customers supplied _60 C ethanol mixture and deliver that slurry to the inlet of a Customer supplied seperator. 2. The ratio of ethanol to biomass shall be not less than 1 gallon of ethanol to 1 pound of biomass. 3. The target throughput of the system shall be 1000 lbs in 8 hours. 4. The feed conveyor shall be a 6" diameter auger with 24" square infeed hopper for customer to deliver product to. 5. The feed auger shall have half pitch flighting throughour the hopper and into the feeder tube. The flighting shell extend into the tube for 3 pitches and then stop. 6. The shaft will continue through another 16" to the discharge. This design will allow the biomass material to form a plug in the feed tube to prevent vapor/liquid from getting back into the hopper area. 7. The biomass must be supplied to the hopper prior to the delivery of the ethanol to the mixing screw. 8. The discharge of the feed screw will drop vertically into the mixing screw. 9. The mixing screw shall have a combination of ribbon flighting and paddles to mix the biomass with the ethanol. 10. The length of the mixing screw shall be approximately 6 feet long. 11. The mixing screw shall extend behind the biomass inlet and the ethanl shall be supplied into the screw behind the biomass inlet. 12. The drive motors shall be ClassI Div 1 EXP motors. 13. The seals shall be teflon rope packing style seals. 14. The shaft bearings shall be pillow block bearings stood off from the end plates. 15. The system shall have a 3" thick insulation around product contact exterior surfaces. Insulation shall have a metal protective cover.	1.00		

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Quotation Valid Thru : 06/27/2019

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	16. Unit shall be designed with a mounting/support lugs. 17. No motor starters, drives push buttons or other electrical devices are included. 18. No control valves flow meters or other devices are included for the liquid ethanol. 19. All product contact materials shall be type 304 stainless steel. Any polymer materials will be PTFE.			