EASTERN INSTRUMENTS

Material Test Report

Wood Chips/Chunks

CentriFlow®

CentriFlow®

Date Tested:	January 6, 2010	**Temperature:**	Ambient (78°F/25.6°C)
Technician:	Ressie Cavenaugh	**Particle Size:**	0.5" x 0.5" - 1" x 6"
Test Location:	Eastern Instruments	**Flowability:**	Medium
CFM Model:	24" Type I CentriFlow® LDM Meter	**Cohesiveness:**	Medium
Meter Capacity:	120 ft³/min	**Density (lb/ft³):**	30 lbs/ft³
Feed System:	Belt Conveyor	**Inhibit Setting:**	0.50%

Test #1 Mass Flow Rate = Various

Run #	Actual Weight	Metered Weight	Metered/Actual	Delta Weight	% Error
1	36.38	36.53	1.004	0.15	0.41%
2	17.44	17.51	1.004	0.07	0.40%
3	36.00	36.41	1.011	0.41	1.14%
4	35.82	36.11	1.008	0.29	0.81%
		Average:	1.007		
		STD:	0.00354		
		% STD:	0.35%		

Additional Comments: Tested with a 24" CentriFlow® Type I Low Density Meter with a 10 degree tilt and a drop height of an additional 10" due to the added transition set at a 20 degree tilt. All flow surfaces were lined with UHMW.

Accuracy Statement:

"The CentriFlow® Meter will provide accuracy to within ±0.50% - 1.00% of reading when operating within ± 10% of the calibrated flow rate, as long as the flow rate is within the operational range of the meter."

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