



EASTERN INSTRUMENTS



CentriFlow®

# Material Test Report

Wood Shreds



CentriFlow®

Date Tested:	October 12, 2010	Temperature:	Ambient (78°F/25.6°C)
Technician:	James Seagraves	Particle Size:	Dust - 0.5" Shreds
Test Location:	Eastern Instruments	Flowability:	Average
CFM Model:	6" Type II CentriFlow®	Cohesiveness:	Slight
Meter Capacity:	6.5 ft <sup>3</sup> /min	Density (lb/ft <sup>3</sup> ):	10 lbs/ft <sup>3</sup>
Feed System:	Screw Conveyor	Inhibit Setting:	0.200 Volts



Test #1	Mass Flow Rate = 1,500 - 3,000 lb/hr			Percent of Volumetric Capacity = 20% - 30%		
Run #	Actual Weight	Metered Weight	Metered/Actual	Delta Weight	% Error	
1	9.84	9.89	1.005	0.05	0.55%	
2	8.16	8.18	1.003	0.02	0.29%	
3	8.92	8.94	1.003	0.02	0.27%	
4	7.92	7.97	1.006	0.05	0.59%	
5	9.58	9.62	1.004	0.04	0.38%	

Average: 1.004  
 STD: 0.00148  
 % STD: 0.15%

Additional Comments: Tested with a 6" CentriFlow® Type II Meter.

### Accuracy Statement:

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