



Material Test Report

Wood Pellets

Date Tested:	January 25, 2011	Temperature:	Ambient (78°F/25.6°C)
Technician:	Ressie Cavenaugh	Particle Size:	1/4" x 1/2" - 2" Long
Test Location:	Eastern Instruments	Flowability:	Above Average
CFM Model:	6" Type II CentriFlow®	Cohesiveness:	None
Meter Capacity:	6.75 ft³/min	Density (lb/ft³):	42 lbs/ft³
Feed System:	Screw Conveyor	Inhibit Setting:	2.00%



High Flow Rate		23,700 lb/hr (approx. 12 Ton/hr)			Meter Calibrated at High Flow Rate		
Run #	Actual Weight	Metered Weight	Metered/Actual	Delta Weight	% Error		
1	39.40	39.38	1.000	-0.02	-0.05%		
2	39.40	39.40	1.000	0.00	0.01%		
3	39.40	39.38	1.000	-0.02	-0.04%		
4	39.42	39.40	1.000	-0.02	-0.05%		
5	39.40	39.36	0.999	-0.04	-0.11%		
Average:			1.000				
STD:			0.00043				
% STD:			0.04%				

Low Flow Rate		2,900 lb/hr (approx. 1.5 Ton/hr)			Meter Calibrated at High Flow Rate		
Run #	Actual Weight	Metered Weight	Metered/Actual	Delta Weight	% Error		
1	39.32	37.64	0.957	-1.68	-4.28%		
2	39.29	37.40	0.952	-1.89	-4.80%		
3	39.31	37.56	0.955	-1.75	-4.46%		
4	39.31	37.64	0.958	-1.67	-4.24%		
5	39.33	37.62	0.956	-1.71	-4.36%		
Average:			0.956				
STD:			0.00223				
% STD:			0.23%				

Accuracy Statement:

"The CentriFlow® Meter will provide accuracy to within $\pm 0.25\%$ 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."