



E A S T E R N I N S T R U M E N T S



CentriFlow®

# Material Test Report

Construction Debris



CentriFlow®

Date Tested:	January 6, 2010	Temperature:	Ambient (78°F/25.6°C)
Technician:	Ressie Cavanaugh	Particle Size:	0.5" x 0.5" - 0.5" x 3.0"
Test Location:	Eastern Instruments	Flowability:	Medium
CFM Model:	24" Type I CentriFlow® LDM Meter	Cohesiveness:	Medium
Meter Capacity:	120 ft³/min	Density (lb/ft³):	13.44 lbs/ft³
Feed System:	Belt Conveyor	Inhibit Setting:	0.50%



Test #1	Mass Flow Rate = 20,000 lb/hr				
Run #	Actual Weight	Metered Weight	Metered/Actual	Delta Weight	% Error
1	42.22	42.31	1.002	0.09	0.21%
2	42.10	42.39	1.007	0.29	0.69%
3	41.86	41.96	1.002	0.10	0.24%
4	41.84	41.96	1.003	0.12	0.29%
5	42.32	42.64	1.008	0.32	0.76%
Average:			1.004		
STD:			0.00263		
% STD:			0.26%		
<b>Additional Comments:</b> 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  $\pm 0.50\%$  -  $0.75\%$  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."