



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



CentriFlow®

Material Test Report

Marbits



CentriFlow®

Date Tested:	December 6, 2006	Temperature:	Ambient (78°F/25.6°C)
Technician:	James Seagraves	Particle Size:	0.5"
Test Location:	Eastern Instruments	Flowability:	High
CFM Model:	6" Type I CentriFlow®	Cohesiveness:	None
Meter Capacity:	6.75 ft ³ /min	Density (lb/ft ³):	8 lb/ft ³
Feed System:	Vibratory Conveyor	Inhibit Setting:	0.200 Volts



Test #1	Mass Flow Rate = 550 lb/hr			Percent of Volumetric Capacity = 15% - 20%			
Run #	Actual Weight	Metered Weight	Actual/Metered	Delta Weight	% Error		
1	0.370	0.373	0.992	0.00	0.81%		
2	0.370	0.371	0.997	0.00	0.27%		
3	0.365	0.367	0.995	0.00	0.55%		
4	0.365	0.365	1.000	0.00	0.00%		
5	0.365	0.367	0.995	0.00	0.55%		
Average:			0.996				
STD:			0.00307				
% STD:			0.31%				

Additional Comments: Tested using a 6" CentriFlow® Type I Meter in the Reverse Direction Flow Configuration. The run time was 2.5 seconds per batch.

Accuracy Statement:

"The CentriFlow® Meter will provide accuracy to within $\pm 1.00\%$ 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."