



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



CentriFlow®

Material Test Report

Calcium Carbonate



CentriFlow®

Date Tested:	October 8, 2002	Temperature:	Ambient (78°F/25.6°C)
Technician:	James Seagraves	Particle Size:	Fine Powder
Test Location:	Eastern Instruments	Flowability:	Above Average
CFM Model:	6" Type II CentriFlow®	Cohesiveness:	None
Meter Capacity:	6.75 ft ³ /min	Density (lb/ft ³):	80 lb/ft ³
Feed System:	Screw Conveyor	Inhibit Setting:	0.200 Volts



Test #1	Mass Flow Rate = 8,000 lbs/hr								
Run #	Actual Weight		Metered Weight		Actual/Metered		Delta Weight		% Error
1	15.58	15.52	1.004	-0.060	-0.39%				
2	19.00	18.93	1.004	-0.070	-0.37%				
3	14.54	14.55	0.999	0.010	0.07%				
4	11.96	11.96	1.000	0.000	0.00%				
5	12.82	12.79	1.002	-0.030	-0.23%				
Average:					1.002				
STD:					0.0021				
% STD:					0.21%				
Additional Comments: Tested with a 6" CentriFlow® Type II Meter equipped with VibraWeigh®. The run time was 10 seconds per batch.									

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."