



CentriFlow®

Material Test Report

Wet Ore



CentriFlow®

Date Tested:	April 4, 2005	Temperature:	Ambient (78°F/25.6°C)
Technician:	James Seagraves	Particle Size:	
Test Location:	Eastern Instruments	Flowability:	Normal
CFM Model:	12" Type I CentriFlow®	Cohesiveness:	None
Meter Capacity:	15 ft³/min	Density (lb/ft³):	100+ lb/ft³
Feed System:	Vibratory Conveyor	Inhibit Setting:	0.200 Volts



Picture Not Available

Test #1	Mass Flow Rate = 10,000 lbs/hr				Run Time/Batch = 10 sec		
Run #	Actual Weight	Metered Weight	Metered/Actual	Delta Weight	% Error		
1	25.08	25.13	1.002	0.05	0.20%		
2	24.72	24.79	1.003	0.07	0.28%		
3	24.44	24.53	1.004	0.09	0.37%		
4	24.14	24.26	1.005	0.12	0.50%		
5	23.72	23.83	1.005	0.11	0.46%		
6	23.60	24.09	1.021	0.49	2.08%		
7	23.14	23.29	1.006	0.15	0.65%		
Average:			1.006				
STD:			0.00647				
% STD:			0.64%				

Test Description:

- ◆ Run #1 consisted of running dry material through the meter to establish calibration.
- ◆ Runs #2 through #5 the dry material was sprayed wet and run to show calibration comparison against the established calibration.
- ◆ Run #6 the material was soaked, creating clumps on the conveyor, and run to see if the material would still flow through the meter.
- ◆ Run #7 the wet material was hand mixed to breakup clumps and run to show calibration comparison against other sprayed runs and