



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



CentriFlow®

Material Test Report

Calcined Kaolin Clay



CentriFlow®

Date Tested:	May 12, 2003	Temperature:	Ambient (78°F/25.6°C)
Technician:	Alan Norman	Particle Size:	Dust
Test Location:	Eastern Instruments	Flowability:	Average
CFM Model:	6" Type II CentriFlow®	Cohesiveness:	Slight
Meter Capacity:	6.75 ft ³ /min	Density (lb/ft ³):	18 lb/ft ³
Feed System:	Screw Conveyor	Inhibit Setting:	0.200 Volts



Picture Not Available

Test #1	EFS = 10,500 lb/hr			Percent of Volumetric Capacity = 75%		
Run #	Actual Weight	Metered Weight	Actual/Metered	Delta Weight	% Error	
1	22.80	22.77	1.001	-0.030	-0.13%	
2	23.24	23.22	1.001	-0.020	-0.09%	
3	17.90	17.86	1.002	-0.040	-0.22%	
4	20.44	20.37	1.003	-0.070	-0.34%	
5	20.24	20.18	1.003	-0.060	-0.30%	
Average:			1.0022			
STD:			0.0011			
% STD:			0.11%			
Additional Comments: Tested using a 6" CentriFlow® Type II Meter equipped with Vibraveigh®. The run time was 10 seconds per batch.						

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."