



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



CentriFlow®

Material Test Report

Brown Flour



CentriFlow®

Date Tested:	June 4, 2004	Temperature:	Ambient (78°F/25.6°C)
Technician:	James Seagraves	Particle Size:	Powder
Test Location:	Eastern Instruments	Flowability:	Average
CFM Model:	6" Type II CentriFlow®	Cohesiveness:	Slight/None
Meter Capacity:	6.75 ft ³ /min	Density (lb/ft ³):	35 lbs/ft ³
Feed System:	Screw Feeder	Inhibit Setting:	0.200 Volts



Test #1									
Run #	Actual Weight	Metered Weight	Metered/Actual	Delta Weight					% Error
1	28.58	28.67	1.003	0.09					0.31%
2	28.72	28.76	1.001	0.04					0.14%
3	28.16	28.22	1.002	0.06					0.21%
4	31.88	31.93	1.002	0.05					0.16%
5	32.52	32.58	1.002	0.06					0.18%
6	36.44	36.47	1.001	0.03					0.08%
Average:			1.002						
STD:			0.00079						
% STD:			0.08%						
Additional Comments: Tested using a 6" CentriFlow® Type II Meter equipped with Vibraweigh®. Run times were 5-10 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."