



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



CentriFlow®

Material Test Report

Tobacco Dust



CentriFlow®

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



Test #1		Mass Flow Rate = 1000 lb/hr							
Run #	Actual Weight	Metered Weight	Metered/Actual	Delta Weight	% Error				
1	6.38	6.32	0.991	-0.060	-0.94%				
2	6.72	6.67	0.993	-0.050	-0.74%				
3	6.37	6.30	0.989	-0.070	-1.10%				
4	8.85	8.80	0.994	-0.050	-0.56%				
5	9.67	9.62	0.995	-0.050	-0.52%				
Average:			0.9923						
STD:			0.0025						
% STD:			0.25%						
Additional Comments: Tested using a 6" CentriFlow® Type II Meter. The run time was 20 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."