



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



CentriFlow®

# Material Test Report

Tobacco (Lamina-On Site)



CentriFlow®

Date Tested:	October 1, 2002	Temperature:	Ambient (78°F/25.6°C)
Technician:	James Seagraves	Particle Size:	Lamina
Test Location:	Wilson, NC	Flowability:	Average
CFM Model:	48" Type I HB CentriFlow®	Cohesiveness:	Slight
Meter Capacity:	480 ft³/min	Density (lb/ft³):	4-10 lbs/ft³
Feed System:	Belt Conveyor	Inhibit Setting:	0.200 Volts



## Picture Not Available

Test #1	EFS = 35,000 lb/hr				Mass Flow Rate = 15,000 lb/hr		
Run #	Actual Weight	Metered Weight	Metered/Actual	Delta Weight	% Error		
1	54.00	53.90	0.998	-0.100	-0.19%		
2	76.50	77.90	1.018	1.400	1.83%		
3	81.00	80.10	0.989	-0.900	-1.11%		
4	77.50	77.60	1.001	0.100	0.13%		
5	79.50	79.27	0.997	-0.230	-0.29%		
Average:			1.0007				
STD:			0.0108				
% STD:			1.08%				

**Additional Comments:** Scale used for Actual Weight Measurement has 0.5 lb increments. A scale with 0.01lb increments is recommended for showing the accuracy of the Meter.

### 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."