



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



CentriFlow®

Material Test Report

Tobacco (Cut Strip)



CentriFlow®

Date Tested:	September 11, 2002	Temperature:	Ambient (78°F/25.6°C)
Technician:	James Seagraves	Particle Size:	Cut Strip
Test Location:	Eastern Instruments	Flowability:	Average
CFM Model:	24" Type I CentriFlow® Low Density	Cohesiveness:	Slight
Meter Capacity:	120 ft ³ /min	Density (lb/ft ³):	4-10 lbs/ft ³
Feed System:	Belt Conveyor	Inhibit Setting:	0.200 Volts



Test #1							Mass Flow Rate: 10,000 lb/hr			
Run #	Actual Weight		Metered Weight		Metered/Actual		Delta Weight		% Error	
1	12.58		12.58		1.000		0.000		0.00%	
2	12.50		12.47		0.998		-0.030		-0.24%	
3	12.44		12.45		1.001		0.010		0.08%	
Run Time: 5 Sec. per batch					Average:	0.9995				
					STD:	0.0017				
					% STD:	0.17%				
Test #2							Mass Flow Rate: 1,000 lb/hr			
Run #	Actual Weight		Metered Weight		Metered/Actual		Delta Weight		% Error	
1	11.54		11.55		1.001		0.010		0.09%	
2	11.50		11.49		0.999		-0.010		-0.09%	
Run Time: 25 Sec. per batch					Average:	1.0000				
					STD:	0.0012				
					% STD:	0.12%				

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."