



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



CentriFlow®

# Material Test Report

Cut Tobacco



CentriFlow®

Date Tested:	June 13, 1999	Temperature:	Ambient (78°F/25.6°C)
Technician:	James Seagraves	Particle Size:	0.300"
Test Location:	Eastern Instruments	Flowability:	Average
CFM Model:	12" Type I CentriFlow®	Cohesiveness:	None
Meter Capacity:	15 ft <sup>3</sup> /min	Density (lb/ft <sup>3</sup> ):	8 lbs/ft <sup>3</sup>
Feed System:	Belt Conveyor	Inhibit Setting:	0.200 Volts



Test #1		Percent of Volumetric Capacity = 75%							
Run #	Actual Weight		Metered Weight		Metered/Actual		Delta Weight		% Error
1	2.28	2.28	2.28	2.28	1.002	1.002	0.004	0.004	0.18%
2	2.28	2.28	2.28	2.28	1.000	1.000	0.001	0.001	0.04%
3	2.27	2.27	2.27	2.27	0.998	0.998	-0.004	-0.004	-0.18%
4	2.27	2.27	2.27	2.27	0.998	0.998	-0.005	-0.005	-0.22%
5	2.27	2.27	2.27	2.27	0.998	0.998	-0.005	-0.005	-0.22%
		Average:		0.9992					
		STD:		0.0018					
		% STD:		0.18%					
Additional Comments: Tested using a 12" Type I CentriFlow® Meter in the In-Line Flow Configuration. The run time was 3 seconds per batch.									

### 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."