EASTERN INSTRUMENTS

Material Test Report

Tobacco (Stems-On Site)

CentriFlow®

CentriFlow®

Date Tested:	October 1, 2001	Temperature:	Ambient (78°F/25.6°C)
Technician:	James Seagraves	Particle Size:	0.125" - 0.5"
Test Location:	Wilson, NC	Flowability:	High
CFM Model:	12" Type I CentriFlow®	Cohesiveness:	None
Meter Capacity:	15 ft³/min	Density (lb/ft³):	10-15 lbs/ft³
Feed System:	Belt Conveyor	Inhibit Setting:	0.200 Volts

Picture Not Available

Test #1	EFS = 9,000 lb/hr			Mass Flow Rate = 3,000 lb/hr
Run #	Actual Weight	Metered Weight	Metered/Actual	Delta Weight	% Error
1	15.50	15.66	1.010	0.160	1.03%
2	13.00	13.17	1.013	0.170	1.31%
3	13.50	13.93	1.032	0.430	3.19%
4	14.50	14.69	1.013	0.190	1.31%
5	15.50	15.70	1.013	0.200	1.29%
		Average:	1.0163		
		STD:	0.0088		
		% STD:	0.87%		

Additional Comments: Scale used for Acual 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 ±0.25% of reading when operating within ± 10% of the calibrated flow rate, as long as the flow rate is within the operational range of the meter."

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