



EASTERN INSTRUMENTS



CentriFlow®

# Material Test Report

Tobacco (Snuff RS)



CentriFlow®

Date Tested:	October 8, 2002	Temperature:	Ambient (78°F/25.6°C)
Technician:	James Seagraves	Particle Size:	Snuff RS
Test Location:	Eastern Instruments	Flowability:	Average
CFM Model:	24" Type I LDM CentriFlow®	Cohesiveness:	Slight
Meter Capacity:	120 ft <sup>3</sup> /min	Density (lb/ft <sup>3</sup> ):	9.5 lbs/ft <sup>3</sup>
Feed System:	Belt Conveyor	Inhibit Setting:	0.200 Volts



Test #1	EFS = 18,000 lb/hr				Mass Flow Rate = 10,000 lb/hr		
Run #	Actual Weight	Metered Weight	Actual/Metered	Delta Weight	% Error		
1	11.06	11.07	0.999	0.010	0.09%		
2	11.04	11.06	0.998	0.020	0.18%		
3	11.00	11.03	0.997	0.030	0.27%		
4	10.98	10.93	1.005	-0.050	-0.46%		
5	10.94	10.97	0.997	0.030	0.27%		
Average:			0.9993				
STD:			0.0031				
% STD:			0.31%				

Test #1	EFS = 18,000 lb/hr				Mass Flow Rate = 1,000 lb/hr		
Run #	Actual Weight	Metered Weight	Actual/Metered	Delta Weight	% Error		
1	1.52	1.52	0.997	0.005	0.33%		
2	1.45	1.44	1.007	-0.010	-0.69%		
3	1.29	1.29	1.000	0.000	0.00%		
Average:			1.0012				
STD:			0.0052				
% STD:			0.52%				

### 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."