



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



CentriFlow®

Material Test Report

Rice



CentriFlow®

Date Tested:	September 24, 2008	Temperature:	Ambient (78°F/25.6°C)
Technician:	Scott Tupper	Particle Size:	0.0625" x .250"
Test Location:	Eastern Instruments	Flowability:	Above Average
CFM Model:	3" Type I CentriFlow®	Cohesiveness:	None
Meter Capacity:	2.5 ft³/min	Density (lb/ft³):	47.76 lbs/ft³
Feed System:	Belt Feed-Speed 120 Hz, 1ft/s	Inhibit Setting:	0.200 Volts



Test #1	Mass Flow Rate = 1,600 lb/hr - 1,800 lb/hr			Percent of Volumetric Capacity = 17%		
Run #	Actual Weight	Metered Weight	Actual/Metered	Delta Weight	% Error	
1	17.82	17.83	0.999	0.01	0.056%	
2	17.82	17.81	1.001	-0.01	-0.075%	
3	17.78	17.76	1.001	-0.02	-0.094%	
4	17.72	17.71	1.001	-0.01	-0.076%	
5	17.72	17.71	1.001	-0.01	-0.076%	
Average:			1.001			
STD:			0.00061			
% STD:			0.06%			
Additional Comments: Tested using a 3" CentriFlow® Type I Meter in the Reverse Direction Flow Configuration. The Rice lost traction on the belt, began sliding and thus, reduced the flow rate. A Tangential Cover plate was also installed.						

Accuracy Statement:

"The CentriFlow® Meter will provide accuracy to within $\pm 0.25\%$ 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."