



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



CentriFlow®

Material Test Report

Toasted Oats Cereal



CentriFlow®

Date Tested:	November 24, 2001	Temperature:	Ambient (78°F/25.6°C)
Technician:	Alan Norman	Particle Size:	0.5" - 0.125"
Test Location:	Eastern Instruments	Flowability:	High
CFM Model:	6" Type I CentriFlow®	Cohesiveness:	None
Meter Capacity:	6.75 ft ³ /min	Density (lb/ft ³):	10-15 lbs/ft ³
Feed System:	Vibratory Conveyor	Inhibit Setting:	0.200 Volts



Test #1		Percentage of Volumetric Capacity = 50%					
Run #	Actual Weight	Metered Weight	Actual/Metered	Delta Weight	% Error		
1	3.95	3.95	1.000	0.00	0.00%		
2	3.95	3.96	1.003	0.01	0.25%		
3	3.95	3.96	1.003	0.01	0.25%		
4	3.94	3.94	1.000	0.00	0.00%		
5	3.94	3.94	1.001	0.00	0.13%		
Average:			1.001				
STD:			0.0013				
% STD:			0.13%				
Additional Comments: Tested using a 6" CentriFlow® Type I Meter in the Reverse Direction Flow Configuration. The run time was 6 seconds per batch.							

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."