



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



CentriFlow®

Material Test Report

Frozen French Fries



CentriFlow®

Date Tested:	August 30, 2002	Temperature:	Ambient (78°F/25.6°C)
Technician:	Alan Norman	Particle Size:	Frozen "Shoe String" Fries
Test Location:	Eastern Instruments	Flowability:	Average
CFM Model:	12" Type I CentriFlow®	Cohesiveness:	Slight
Meter Capacity:	15 ft ³ /min	Density (lb/ft ³):	-
Feed System:	Vibratory Conveyor	Inhibit Setting:	0.200 Volts



Test #1		Percent of Volumetric Capacity = 50%							
Run #	Actual Weight	Metered Weight	Metered/Actual	Delta Weight			% Error		
1	15.69	15.72	1.002	0.03			0.19%		
2	15.77	15.76	0.999	-0.01			-0.06%		
3	15.75	15.74	0.999	-0.01			-0.06%		
4	15.49	15.50	1.001	0.01			0.06%		
5	14.81	14.77	0.997	-0.04			-0.27%		
Average:			1.000						
STD:			0.00172						
% STD:			0.17%						
Additional Comments: Tested using a 12" CentriFlow® Type I Meter in the In-Line Flow Configuration. The run time was 15 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."