



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



CentriFlow®

Material Test Report

Raw Granulated Sugar



CentriFlow®

Date Tested:	February 10, 1999	Temperature:	Ambient (78°F/25.6°C)
Technician:	James Seagraves	Particle Size:	0.015" - 0.080"
Test Location:	Eastern Instruments	Flowability:	High
CFM Model:	12" Type I CentriFlow®	Cohesiveness:	Slight
Meter Capacity:	15 ft ³ /min	Density (lb/ft ³):	48 lbs/ft ³
Feed System:	Belt Conveyor	Inhibit Setting:	0.200 Volts



Test #1	Percent of Volumetric Capacity = 40%								
Run #	Actual Weight		Metered Weight		Metered/Actual		Delta Weight		% Error
1	23.14		23.18		1.002		0.040		0.17%
2	23.14		23.09		0.998		-0.050		-0.22%
3	23.12		23.09		0.999		-0.030		-0.13%
4	23.12		23.13		1.000		0.010		0.04%
5	23.12		23.09		0.999		-0.030		-0.13%
Average:					0.9995				
STD:					0.0016				
% STD:					0.16%				

Additional Comments: Tested using a 12" CentriFlow® Type I Meter in the Reverse Direction Flow Configuration. The run time per batch was 4 seconds.

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."