



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



CentriFlow®

# Material Test Report

Whole Kernel Corn



CentriFlow®

Date Tested:	June 8, 2006	Temperature:	Ambient (78°F/25.6°C)
Technician:	Thomas Britt	Particle Size:	0.2" to 0.5"
Test Location:	Eastern Instruments	Flowability:	High
CFM Model:	6" Type II CentriFlow®	Cohesiveness:	None
Meter Capacity:	6.75 ft³/min	Density (lb/ft³):	55 lbs/ft³
Feed System:	Slide Gate	Inhibit Setting:	0.200 Volts



## Test #1

Run #	Actual Weight	Metered Weight	Actual/Metered	Delta Weight	% Error
1	20.04	20.02	1.00100	-0.02	-0.10%
2	20.06	20.04	1.00100	-0.02	-0.10%
3	20.04	20.04	1.00000	0.00	0.00%
4	19.88	19.85	1.00151	-0.03	-0.15%
5	20.10	20.11	0.99950	0.01	0.05%

Average: 1.0006  
 STD: 0.0008  
 % STD: 0.08%

Additional Comments: Tested using a 6" CentriFlow® Type II Meter.

### 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."