



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



CentriFlow®

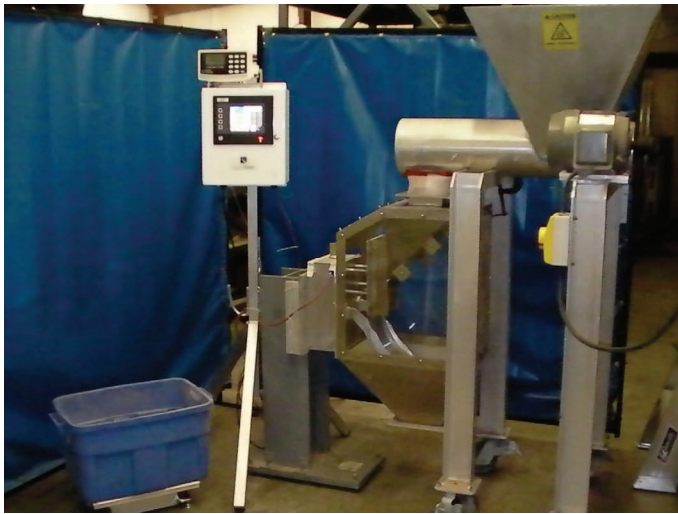
Material Test Report

Soy Beans



CentriFlow®

Date Tested:	January 26, 2011	Temperature:	Ambient (78°F/25.6°C)
Technician:	Ressie Cavanaugh	Particle Size:	1/8" x 1/8" - 2" stems
Test Location:	Eastern Instruments	Flowability:	High
CFM Model:	6" Type II CentriFlow®	Cohesiveness:	None
Meter Capacity:	6.75 ft³/min	Density (lb/ft³):	45 lbs/ft³
Feed System:	Screw Conveyor	Inhibit Setting:	2.00%



Test #1	Mass Flow Rate = approx. 15,000 lb/hr					EFS = 25,000 lb/hr			
Run #	Actual Weight	Metered Weight	Metered/Actual	Delta Weight	% Error				
1	33.65	33.68	1.001	0.03	0.09%				
2	33.64	33.69	1.002	0.06	0.17%				
3	33.64	33.68	1.001	0.05	0.14%				
4	33.64	33.71	1.002	0.07	0.20%				
5	33.63	33.69	1.002	0.06	0.19%				
Average:			1.002						
STD:			0.00045						
% STD:			0.045%						

Additional Comments: Tested with a 6" CentriFlow® Type II Meter with SS Flow Surfaces, equipped with a Tangential Cover Plate.

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."