



EASTERN INSTRUMENTS



CentriFlow®

# Material Test Report

Corn Gluten Meal



CentriFlow®

Date Tested:	August 9, 2011	Temperature:	Ambient (78°F/25.6°C)
Technician:	James Seagraves	Particle Size:	Granular Powder
Test Location:	Eastern Instruments	Flowability:	High
CFM Model:	6" Type II CentriFlow®	Cohesiveness:	None
Meter Capacity:	6.75 ft <sup>3</sup> /min	Density (lb/ft <sup>3</sup> ):	50-60 lbs/ft <sup>3</sup>
Feed System:	Screw Conveyor	Inhibit Setting:	0.50%



Test #1	Mass Flow Rate = 12,000 - 14,000 lb/hr				Full Scale = 25,000 lb/hr			
Run #	Actual Weight	Metered Weight	Metered/Actual	Delta Weight			% Error	
1	43.72	42.88	1.0197	-0.84			-1.93%	
2	46.44	45.50	1.0207	-0.94			-2.02%	
3	50.88	49.96	1.0184	-0.92			-1.81%	
4	44.28	43.43	1.0196	-0.85			-1.92%	
5	41.82	40.96	1.0210	-0.86			-2.06%	
Average:			1.0199					
STD:			0.00102					
% STD:			0.10%					

**Additional Comments:** Tested with a 6" CentriFlow® Type II Meter with a 45 Degree Diverter. Readings use the Calibration Voltage from Corn Germ.

### 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."