



CentriFlow®

# Material Test Report

Corn Starch



CentriFlow®

Date Tested:	July 24, 2003	Temperature:	Ambient (78°F/25.6°C)
Technician:	Ressie Cavenaugh	Particle Size:	Powder
Test Location:	Eastern Instruments	Flowability:	Average
CFM Model:	6" Type II CentriFlow®	Cohesiveness:	None
Meter Capacity:	6.75 ft³/min	Density (lb/ft³):	35-40 lb/ft³
Feed System:	Screw Conveyor	Inhibit Setting:	0.200 Volts



Test #1	Estimated Full Scale = 33,000 lb/hr			Percent of Volumetric Capacity = 75%		
Run #	Actual Weight	Metered Weight	Actual/Metered	Delta Weight	% Error	
1	19.62	19.67	0.997	0.050	0.25%	
2	21.34	21.31	1.001	-0.030	-0.14%	
3	16.94	16.95	0.999	0.010	0.06%	
4	22.80	22.82	0.999	0.020	0.09%	
5	24.98	24.93	1.002	-0.050	-0.20%	
Average:			0.9999			
STD:			0.0018			
% STD:			0.18%			
Additional Comments: Tested using a 6" CentriFlow® Type II meter equipped with Vibraweigh®. The run time was 10 seconds per batch.						

**Accuracy Statement:**

**"The CentriFlow® Meter will provide accuracy to within ±0.25% of reading when operating within ± 10% of the calibrated flow rate, as long as the flow rate is within the operational range of the meter."**