MTR No. 0082-BI

EASTERN INSTRUMENTS

Material Test Report

Corn Flour

CentriFlow®

CentriFlow®

Date Tested:	June 18, 2000	**Temperature:**	Ambient (78°F/25.6°C)
Technician:	Alan Norman	**Particle Size:**	500 Microns
Test Location:	Eastern Instruments	**Flowability:**	Average
CFM Model:	6" Type II CentriFlow®	**Cohesiveness:**	Moderate
Meter Capacity:	6.75 ft³/min	**Density (lb/ft³):**	31 lb/ft³
Feed System:	Screw Conveyor	**Inhibit Setting:**	0.200 Volts

Test #1 — **Percent of Volumetric Capacity = 50%**

Run #	Actual Weight	Metered Weight	Actual/Metered	Delta Weight	% Error
1	43.08	42.94	1.003	-0.140	-0.32%
2	39.18	39.20	0.999	0.020	0.05%
3	37.75	37.72	1.001	-0.030	-0.08%
4	38.78	38.74	1.001	-0.040	-0.10%
5	40.06	40.00	1.002	-0.060	-0.15%
		Average:	1.0012		
		STD:	0.0014		
		% STD:	0.14%		

Additional Comments: Tested using a 6" CentriFlow® Type II Meter equipped with Vibraweigh®. The run time was 20 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."

416 Landmark Drive
Wilmington, NC 28412

www.easterninstruments.com

Phone:(910) 392-2490
Fax: (910) 392-2123