



EASTERN INSTRUMENTS



CentriFlow®

Material Test Report

Cocoa Beans - Wet



CentriFlow®

| | | | |
|-----------------|------------------------------|--------------------------------|-----------------------------|
| Date Tested: | January 8, 2011 | Temperature: | Ambient (78°F/25.6°C) |
| Technician: | James Seagraves | Particle Size: | 3/4" x 1/2" |
| Test Location: | Eastern Instruments | Flowability: | Average |
| CFM Model: | 6" Type II CentriFlow® Meter | Cohesiveness: | None |
| Meter Capacity: | 6.5 ft ³ /min | Density (lb/ft ³): | 45 - 50 lbs/ft ³ |
| Feed System: | Screw Conveyor | Inhibit Setting: | 0.200 Volts |



| Test #1 | Percent Full Scale = 20,000 lbs/hr | | | | |
|----------|------------------------------------|----------------|----------------|--------------|---------|
| Run # | Actual Weight | Metered Weight | Actual/Metered | Delta Weight | % Error |
| 1 | 26.36 | 26.42 | 0.998 | 0.06 | 0.23% |
| 2 | 26.37 | 26.51 | 0.995 | 0.14 | 0.55% |
| 3 | 26.49 | 26.51 | 0.999 | 0.02 | 0.07% |
| 4 | 26.24 | 26.32 | 0.997 | 0.09 | 0.33% |
| 5 | 25.87 | 25.90 | 0.999 | 0.03 | 0.12% |
| Average: | | | 0.9974 | | |
| STD: | | | 0.0019 | | |
| % STD: | | | 0.19% | | |

Additional Comments: Tested with a 6" CentriFlow® Type II Meter. Please note: All-Welded Pan and VibraWeigh® are recommended.

Accuracy Statement:

"The CentriFlow® Meter will provide accuracy to within $\pm 0.50\%$ - 1.00% 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."