MTR No. 0131-HL

EASTERN INSTRUMENTS

Material Test Report

Elbow Macaroni

CentriFlow®

CentriFlow®

Date Tested:	June 13, 2003	**Temperature:**	Ambient (78°F/25.6°C)
Technician:	James Seagraves	**Particle Size:**	1/4" to 1/2" pieces
Test Location:	Eastern Instruments	**Flowability:**	Good
CFM Model:	12" Type I CentriFlow®	**Cohesiveness:**	Slight
Meter Capacity:	15 ft³/min	**Density (lb/ft³):**	45 lb/ft³
Feed System:	Belt Conveyor	**Inhibit Setting:**	0.200 Volts

Test #1 EFS = 12,000 lb/hr Mass Flow Rate = 3,000 lb/hr

Run #	Actual Weight	Metered Weight	Actual/Metered	Delta Weight	% Error
1	8.49	8.50	0.999	0.01	0.12%
2	8.81	8.81	1.000	0.00	0.00%
3	8.20	8.21	0.999	0.01	0.12%
4	7.86	7.88	0.997	0.02	0.25%
		Average:	0.999		
		STD:	0.00104		
		% STD:	0.10%		

Additional Comments: Tested using a 12" CentriFlow® Type I Meter in the In-Line Flow Configuration. The run time was 7 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