MTR No. 0077-V

EASTERN INSTRUMENTS

Material Test Report

Calcined Alumina

CentriFlow®

CentriFlow®

Date Tested:	June 2, 2000	**Temperature:**	Ambient (78°F/25.6°C)
Technician:	Alan Norman	**Particle Size:**	100 Microns
Test Location:	Eastern Instruments	**Flowability:**	Above Average
CFM Model:	6" Type II CentriFlow®	**Cohesiveness:**	None
Meter Capacity:	6.75 ft³/min	**Density (lb/ft³):**	65 lb/ft^3
Feed System:	Screw Conveyor	**Inhibit Setting:**	0.200 Volts

Test #1 — **Percent of Volumetric Capacity = 20% - 25%**

Run #	Actual Weight	Metered Weight	Metered/Actual	Delta Weight	% Error
1	19.16	19.11	0.997	-0.050	-0.26%
2	18.16	18.14	0.999	-0.020	-0.11%
3	16.60	16.59	0.999	-0.010	-0.06%
4	18.50	18.49	0.999	-0.010	-0.05%
5	18.36	18.29	0.996	-0.070	-0.38%
		Average:	0.9983		
		STD:	0.0014		
		% STD:	0.14%		

Additional Comments: Tested with a 6" CentriFlow® Type II Meter equipped with Vibraweigh®. The run time was 15 seconds per batch.

Accuracy Statement:

"The CentriFlow® Meter will provide accuracy to within ±0.50% 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."

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