MTR No. 193

EASTERN INSTRUMENTS

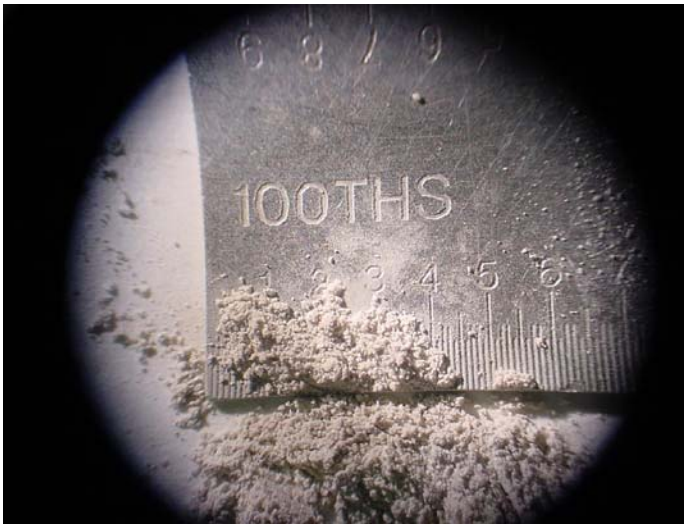
Material Test Report

Gypsum

CentriFlow®

CentriFlow®

Date Tested:	October 23, 2006	**Temperature:**	Ambient (78°F/25.6°C)
Technician:	Tom Britt	**Particle Size:**	Less than 0.001"
Test Location:	Eastern Instruments	**Flowability:**	Average
CFM Model:	6" Type II CentriFlow®	**Cohesiveness:**	Slight
Meter Capacity:	6.75 ft³/min	**Density (lb/ft³):**	65 lb/ft³
Feed System:	Screw Conveyor	**Inhibit Setting:**	0.200 Volts



Test #1 — **Mass Flow Rate = 16,000 lb/hr** — **Percent of Volumetric Capacity = 59%**

Run #	Actual Weight	Metered Weight	Actual/Metered	Delta Weight	% Error
1	27.14	27.12	1.001	-0.020	-0.07%
2	28.28	28.30	0.999	0.020	0.07%
3	25.52	25.54	0.999	0.020	0.08%
4	26.00	25.94	1.002	-0.060	-0.23%
5	25.68	25.66	1.001	-0.020	-0.08%
		Average:	1.0005		
		STD:	0.0013		
		% STD:	0.13%		

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

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