



E A S T E R N I N S T R U M E N T S



CentriFlow®

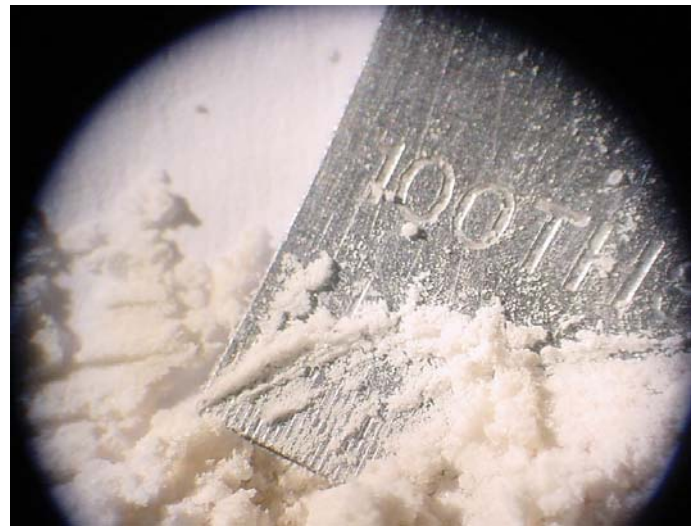
Material Test Report

Ammonium Sulfate



CentriFlow®

Date Tested:	February 9, 2007	Temperature:	Ambient (78°F/25.6°C)
Technician:	Scott Tupper	Particle Size:	Fine Powder
Test Location:	Eastern Instruments	Flowability:	Average
CFM Model:	6" Type II CentriFlow®	Cohesiveness:	Slight
Meter Capacity:	6.75 ft ³ /min	Density (lb/ft ³):	50 lbs/ft ³
Feed System:	Screw Feeder	Inhibit Setting:	0.200 Volts



Test #1	Mass Flow Rate = 24,500 lbs/hr				Percent of Volumetric Capacity = 117%				
Run #	Actual Weight	Metered Weight	Metered/Actual	Delta Weight			% Error		
1	33.72	33.74	1.001	0.02			0.06%		
2	34.18	34.24	1.002	0.06			0.18%		
3	35.54	35.48	0.998	-0.06			-0.17%		
4	31.86	31.84	0.999	-0.02			-0.06%		
5	35.42	35.32	0.997	-0.10			-0.28%		
Average:			0.999						
STD:			0.00181						
% STD:			0.18%						
Additional Comments: Tested with a 6" CentriFlow® Type II meter with VibraWeigh®. The run time was 5 seconds per batch.									

Accuracy Statement:

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