



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



CentriFlow®

Material Test Report

Ammonium Nitrate



CentriFlow®

Date Tested:	September 7, 1999	Temperature:	Ambient (78°F/25.6°C)
Technician:	James Seagraves	Particle Size:	0.05"
Test Location:	Eastern Instruments	Flowability:	Above Average
CFM Model:	6" Type II CentriFlow®	Cohesiveness:	None
Meter Capacity:	6.75 ft ³ /min	Density (lb/ft ³):	55 lb/ft ³
Feed System:	Screw Conveyor	Inhibit Setting:	0.200 Volts



Test #1		Percent of Volumetric Capacity = 50%							
Run #	Actual Weight	Metered Weight	Metered/Actual	Delta Weight	% Error				
1	33.64	33.63	1.000	-0.010	-0.03%				
2	33.62	33.62	1.000	0.000	0.00%				
3	33.64	33.63	1.000	-0.010	-0.03%				
4	33.62	33.62	1.000	0.000	0.00%				
5	33.70	33.70	1.000	0.000	0.00%				
Average:			1.000						
STD:			0.0002						
% STD:			0.02%						

Additional Comments: Tested with a 6" Type II meter. The run time was 10 seconds per batch.

Accuracy Statement:

"The CentriFlow® Meter will provide accuracy to within $\pm 0.25\%$ 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."