

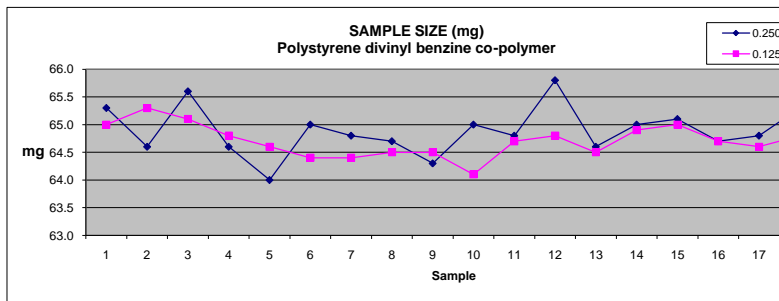
Customer							
Material (Powder)	Polystyrene Divinyl benzene Co-Polymer	Beads			Est. Bulk Density	0.5 - 0.6 gm/cc	
Desired Sample size (range)	65 mg				rh	60%	
Desired accuracy	Not specified						

Pipette Dia.	.250 in.	mg	Control unit settings		Micrometer setting
Micrometer setting		Sample weight	Vacuum (in hg)	Air (psi)	
0.180	Run	65.3	4	3	
		64.6			
		65.6			
		64.6			
		64.0			
		65.0			
		64.8			
		64.7			
		64.3			
		65.0			
		64.8			
		65.8			
		64.6			
		65.0			
		65.1			
		64.7			
		64.8			
		65.3			

64.889	Av
64.888	Mean
0.436	Std Dev

Pipette Dia.	.125 in.	mg	Control unit settings		Micrometer setting
Micrometer setting		Sample weight	Vacuum (1in hg)	Air (psi)	
0.800	Initialize	62.3	4	3	
0.825	run	65.0	4	3	
		65.3			
		65.1			
		64.8			
		64.6			
		64.4			
		64.4			
		64.5			
		64.5			
		64.1			
		64.7			
		64.8			
		64.5			
		64.9			
		65.0			
		64.7			
		64.6			
		64.8			

64.706	Av
64.705	Mean
0.292	Std Dev



- Notes:
- 1 Smooth, free flowing powder of uniform particulate size and shape.
 - 2 Particle size: UNK
 - 3 Color: Lt. Tan
 - 4 Some static attraction to pipette. Did not affect sample sizes. May need antistatic handle and tip if rh < 60%
 - 5 Initial test with 0.250 tip for speed of aspiration. Was difficult to level tip consistently
 - 6 Switched to 0.125 tip. Easier to level. Samples more uniform. Recommend this tip dia.
 - 7 Cycle time: 3-5 seconds per sample exclusive of weighing step.