

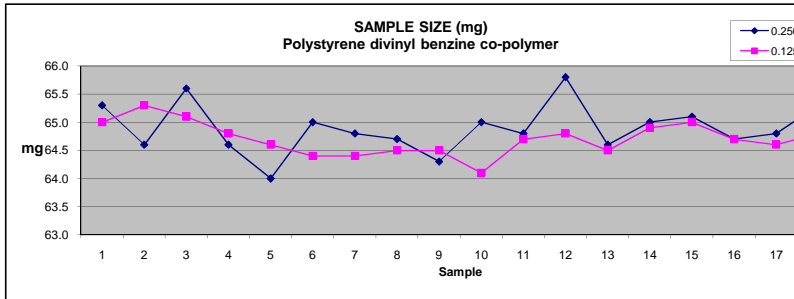
<b>Customer</b>							
<b>Material (Powder)</b>	Polystyrene Divinyl benzene Co-Polymer	Beads			Est. Bulk Density	0.5 - 0.6 gm/cc	
<b>Desired Sample size (range)</b>	65 mg				rh	60%	
<b>Desired accuracy</b>	Not specified						

Pipette Dia.	.250 in.	mg	Control unit settings		Micrometer setting	
Micrometer setting		Sample weight mg	Vacuum (in hg)	Air (psi)	0.180	
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 mg	Vacuum (1in hg)	Air (psi)	0.825	
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.