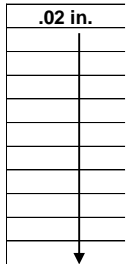
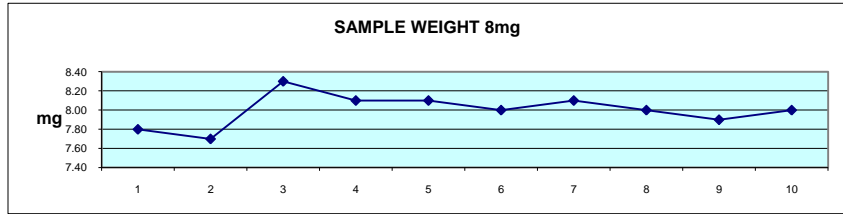


<b>Customer</b>							
<b>Material</b>	Silica	325 mesh		<b>Est. Bulk Density</b>	0.9 gm/cc EST.	<b>Date</b>	23-Jun-03
<b>Desired Sample size</b>	8 mg and 30 mg into 10 ea. #0 capsule					<b>rh</b>	50%
<b>Desired accuracy</b>	2.0% Repeatability samples			<b>Pipette Size</b>	.125in. dia. PIPETE		
<b>Micrometer setting</b>	<b>Sample weight</b>		<b>Control unit settings</b>				
	mg		<b>Vacuum (in hg)</b>	<b>Air (psi)</b>			
			6	4			



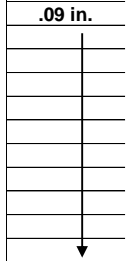
7.80  
7.70  
8.30  
8.10  
8.10  
8.00  
8.10  
8.10  
8.00  
7.90  
8.00



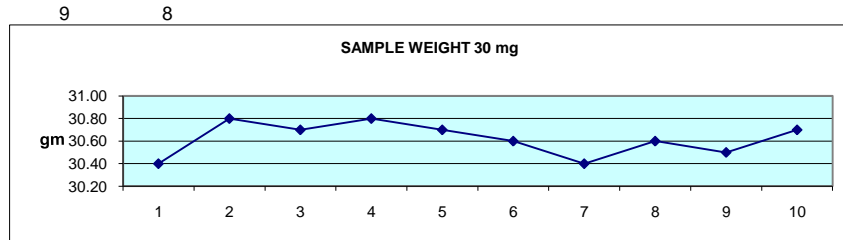
**Note:**

8.000 Av  
7.998 Mean  
0.170 Std Dev

Samples 1 and 2 taken from loose packed part of supply vessel  
Samples 3 -10 taken from sifted part of supply vessel. More uniform tap density improves rep



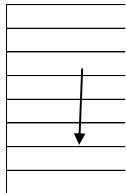
30.40  
30.80  
30.80  
30.70  
30.80  
30.70  
30.60  
30.40  
30.60  
30.50  
30.70



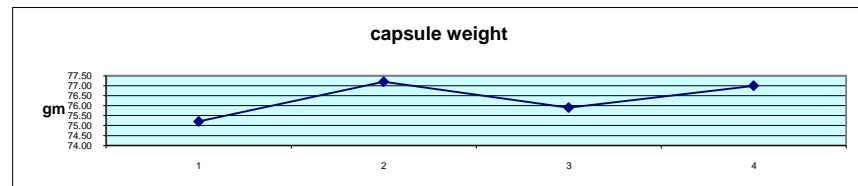
**Notes:**

30.620 Av  
30.620 Mean  
0.148 Std Dev

Small supplied sample requires sifting of the powder after 6 samples. Tap Density variation.



75.20  
77.20  
75.90  
77.00



**Note:**

76.33 Av  
76.32 Mean  
0.9430 Std Dev

Capsule weight varies and lack uniformity.  
Some capsules supplied with 2 caps installed

**Notes:**

Powder pipettes easily and smoothly.

Samples were ejected from the pipette tip as "slugs" rather than loose powder.

Samples tended to pack using the scraper. Changes the tap density.

Suggest sharp edge or wire to level tip end for small samples.

Larger samples were more uniform using the scraper plate.

Scraper did not affect Tap Density as much due to the larger sample volume.