

Customer	SDSII							
Material	Carrier, Ferrite			Est. Bulk Density gm/cu.cm		Date	5/15/02	
Desired Sample size	10 gm			3.2		rh	50%	
Desired accuracy	1.5% Repeatability of samples at various settings				Pipette Size	.5dia. PIPETE		

.500 dia. Pipette
 Micrometer setting

1.200

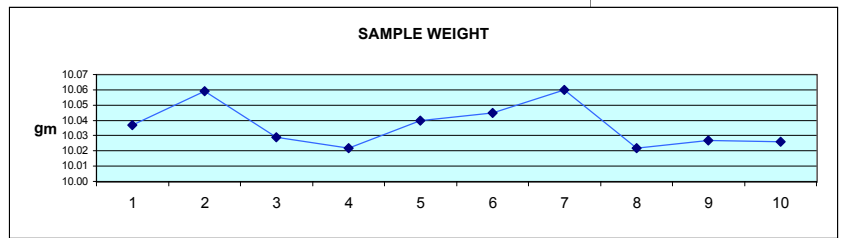


Sample weight
gm

10.0370
10.0590
10.0290
10.0220
10.0400
10.0450
10.0600
10.0220
10.0270
10.0260

Control unit settings
 Vacuum (in Hg) Air (PSI)

5 4



10.0367 Av
10.0367 Mean
0.0142 Std Dev

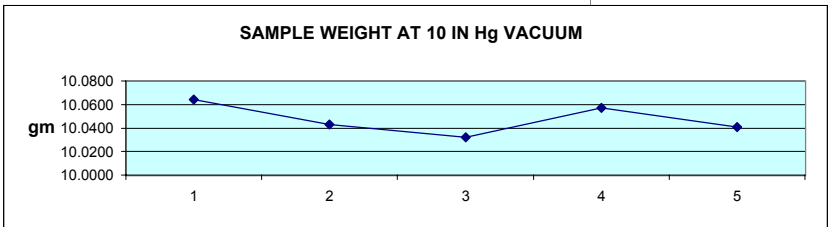
Note: More vacuum should improve sample repeatability

1.200



10.0640
10.0430
10.0320
10.0570
10.0410

10 4



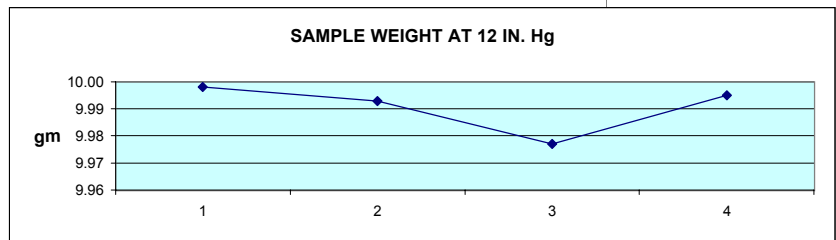
10.0474 Av
10.0474 Mean
0.0129 Std Dev

1.030



9.9980
9.9930
9.9770
9.9950

12 4



9.9908 Av
9.9907 Mean
0.0094 Std Dev

Notes:

1. Material has a high bulk density. Dense materials require higher holding vacuum for sample repeatability
2. 10 grams is near the maximum capacity of the standard tips.