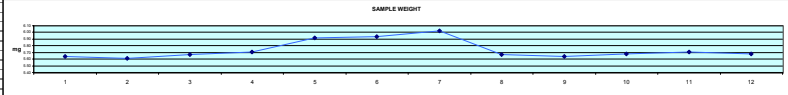


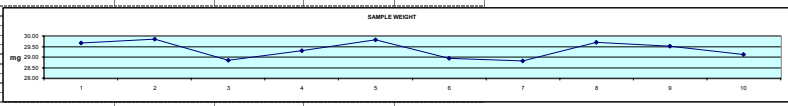
Customer	SCSR						
Material	DIATOMACEOUS EARTH (DE)	Est. Bulk Density		0.5 EST.	Date	12/10/01	
Desired Sample size	Max:				rh		50%
Desired accuracy	1.5% Repeatability of samples at various settings				Pipette Size	375 dia. PIPETE	

Micrometer setting	Sample weight	Control unit settings	
	mg	Vacuum (1/in hg)	Air (psi)
1.00	5.61		
0.95	5.62		
0.90	5.64		
0.85	5.65		
0.80	5.66		
0.75	5.67		
0.70	5.68		
0.65	5.69		
0.60	5.70		
0.55	5.71		
0.50	5.72		
0.45	5.73		
0.40	5.74		
0.35	5.75		
0.30	5.76		
0.25	5.77		
0.20	5.78		
0.15	5.79		
0.10	5.80		
0.05	5.81		
0.00	5.82		



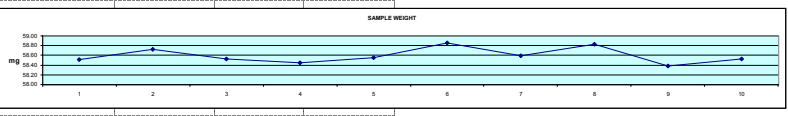
5.74 Av
5.74 Mean
0.1504 Std Dev

Micrometer setting	Sample weight
1.00	29.85
0.95	29.86
0.90	29.87
0.85	29.88
0.80	29.89
0.75	29.90
0.70	29.91
0.65	29.92
0.60	29.93
0.55	29.94
0.50	29.95
0.45	29.96
0.40	29.97
0.35	29.98
0.30	29.99
0.25	30.00
0.20	30.01
0.15	30.02
0.10	30.03
0.05	30.04
0.00	30.05



29.92 Av
29.92 Mean
0.0044 Std Dev

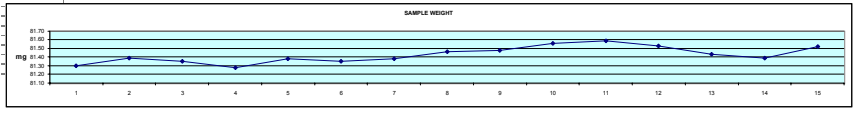
Micrometer setting	Sample weight
1.00	58.51
0.95	58.52
0.90	58.53
0.85	58.54
0.80	58.55
0.75	58.56
0.70	58.57
0.65	58.58
0.60	58.59
0.55	58.60
0.50	58.61
0.45	58.62
0.40	58.63
0.35	58.64
0.30	58.65
0.25	58.66
0.20	58.67
0.15	58.68
0.10	58.69
0.05	58.70
0.00	58.71



58.59 Av
58.59 Mean
0.1524 Std Dev

Smallest setting was 1.0 on tumbler. Samples tumbled to pack using the scraper. Changed of tap density.
 Finest tumbler in use. In level. Be used for small samples.
 Larger samples were more uniform using the scraper plate.

Micrometer setting	Sample weight
1.00	81.30
0.95	81.31
0.90	81.32
0.85	81.33
0.80	81.34
0.75	81.35
0.70	81.36
0.65	81.37
0.60	81.38
0.55	81.39
0.50	81.40
0.45	81.41
0.40	81.42
0.35	81.43
0.30	81.44
0.25	81.45
0.20	81.46
0.15	81.47
0.10	81.48
0.05	81.49
0.00	81.50



81.43 Av
81.43 Mean
0.0942 Std Dev

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