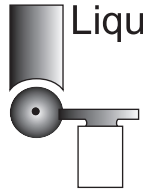


The Effects of Product Carryover on Sample Accuracy

Test Dev Sample	1%	2%	3%	4%	5%	6%	7%	8%	9%	10%	11%	12%	13%	14%	15%	16%
100cc	.015	.030	.045	.060	.075	.090	.105	.120	.135	.150	.165	.180	.195	.210	.225	.240
200cc	.008	.015	.023	.030	.038	.045	.053	.060	.068	.075	.083	.090	.098	.105	.113	.120
300cc	.005	.010	.015	.020	.025	.030	.035	.040	.045	.050	.055	.060	.065	.070	.075	.080
400cc	.004	.008	.012	.015	.019	.023	.027	.030	.034	.038	.042	.045	.049	.053	.057	.062
500cc	.003	.006	.009	.012	.015	.018	.021	.024	.024	.030	.032	.036	.039	.042	.045	.048
600cc	.003	.005	.008	.010	.013	.015	.018	.020	.023	.025	.028	.030	.033	.035	.038	.040
700cc	.002	.005	.007	.009	.011	.013	.015	.015	.020	.023	.023	.026	.028	.030	.032	.035
800cc	.002	.004	.006	.008	.010	.012	.014	.015	.017	.019	.021	.023	.025	.027	.030	.031
900cc	.002	.003	.006	.007	.009	.010	.012	.014	.015	.017	.018	.021	.022	.023	.027	.027
1000cc	.002	.003	.005	.006	.008	.009	.011	.012	.014	.015	.017	.018	.020	.021	.023	.024

This chart shows the computed effect of 1 5cc of sampler residual for various sizes of composite samples at various butterfat test differences. Numbers in the matrix should be either added to or subtracted from the final test of the composite depending on whether the residual was added to or omitted from the load sample in question.

Please note that this table shows the importance of taking the correct sample size. This large sample size is absolutely critical for maintaining sample accuracy over the entire range of volumes sampled.



Liquid Sampling Systems, Inc.
 P.O. Box 165
 Cedar Rapids, IA 52406
 (319) 365-2259
 rob@pro-rata.com
<http://www.pro-rata.com>

