



**2015 AOF Test Check Program
Monthly Report
Round 4
May – 2015**

01/05//2015 – 01/06/2015

Result Receival Dates

Lab Code	Date
A	29/5/2015
B	N/A
C	27/5/2015
D	25/5/2015
E	15/5/2015
F	N/A
G	5/5/2015
H	20/5/2015
I	13/5/2015
J	28/5/2015
K	15/5/2015
L	6/5/2015
M	26/5/2015
N	15/5/2015
O	30/5/2015
Q	3/6/2015
R	2/5/2015
S	29/5/2015



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01/05//2015 – 01/06/2015

Discussion of Results

Test Weight

Sample 1 – No outliers were observed for this test.

Sample 2 – One outlier was identified for Lab **J** with a 1.55 kg/HI from the upper quartile limit (69.65kg/HI).

Sample 3 – No outliers were observed for this test.

Impurities

Sample 1 – No outliers were observed for this test.

Sample 2 – One outlier was identified for Lab **J** with a 0.13 of a percent discrepancy from the lower quartile limit (0.53%).

Sample 3 – One outlier was identified for Lab **O** with a 0.05 of a percent discrepancy from the lower quartile limit (0.53%).

Oil Rapid

Sample 1 – Outliers were identified for Lab **C** and **H**. Lab **C** was a 1.28 of a percent discrepancy from the upper quartile limit (48.94%). Lab **H** was a 0.44 of a percent discrepancy from the lower quartile limit (46.90%).

Sample 2 – No outliers were observed for this test.

Sample 3 – No outliers were observed for this test.

Oil Solvent Extraction

Sample 1 – One outlier was identified for Lab **J** with a 0.27 of a percent discrepancy from the lower quartile limit (47.07%).

Sample 2 – No outliers were observed for this test.

Sample 3 – No outliers were observed for this test.

Reproducibility limit of the extraction method ISO-659:2009 remains at 1.54 for oil contents at ~43% in canola. Recent survey has shown an increase to 75%, in this round, for laboratories to participate within the scope of the standard.



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Moisture Oven

Sample 1 – One outlier was identified for Lab **C** with a 0.31 of a percent discrepancy from the upper quartile limit (5.09%).

Sample 2 – One outlier was identified for Lab **C** with a 0.16 of a percent discrepancy from the lower quartile limit (5.99%).

Sample 3 – No outliers were observed for this test.

Moisture Rapid

Sample 1 – Outliers were identified for Lab **E, H** and **I** which were a 0.18, 0.53 and 0.18 of a percent discrepancy, respectively, from the upper quartile limit (4.93%).

Sample 2 – No outliers were observed for this test.

Sample 3 – One outlier was identified for Lab **H** with a 0.28 of a percent discrepancy from the lower quartile limit (6.83%).

Oleic Oil

Sample 1 – One outlier was identified for Lab **A** with a 0.68 of a percent discrepancy from the lower quartile limit (59.74%).

Sample 2 – One outlier was identified for Lab **A** with a 0.22 of a percent discrepancy from the lower quartile limit (68.03%).

Sample 3 – One outlier was identified for Lab **A** with a 0.06 of a percent discrepancy from the lower quartile limit (63.65%).

Linoleic Oil

No outliers were observed for this test.

Free Fatty Acid

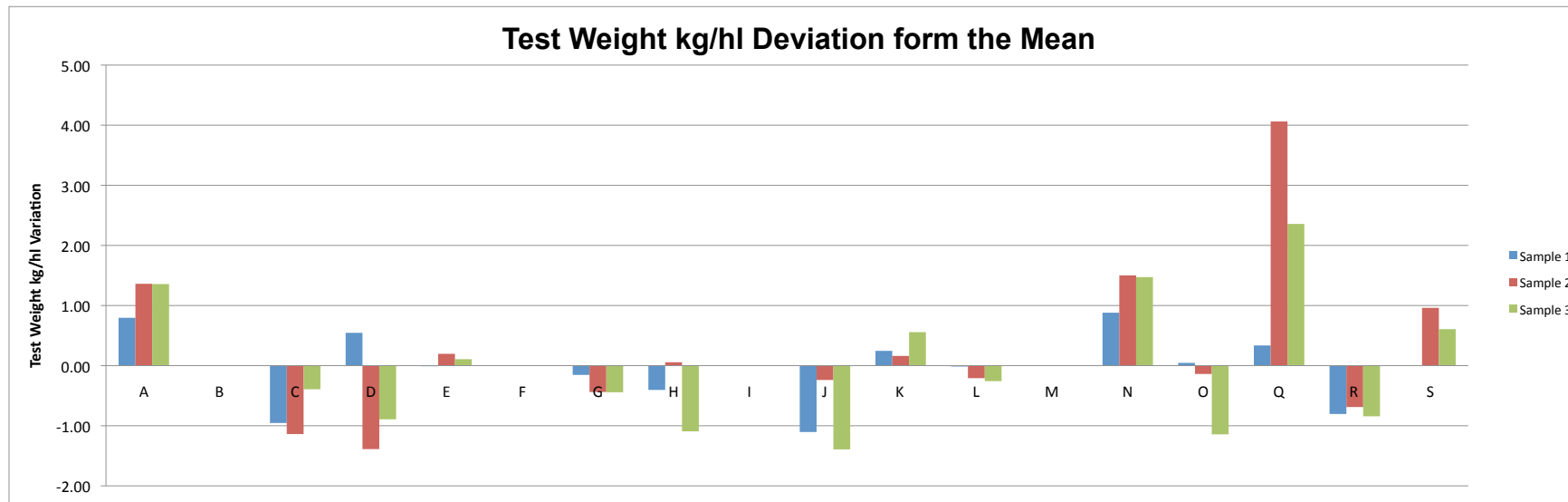
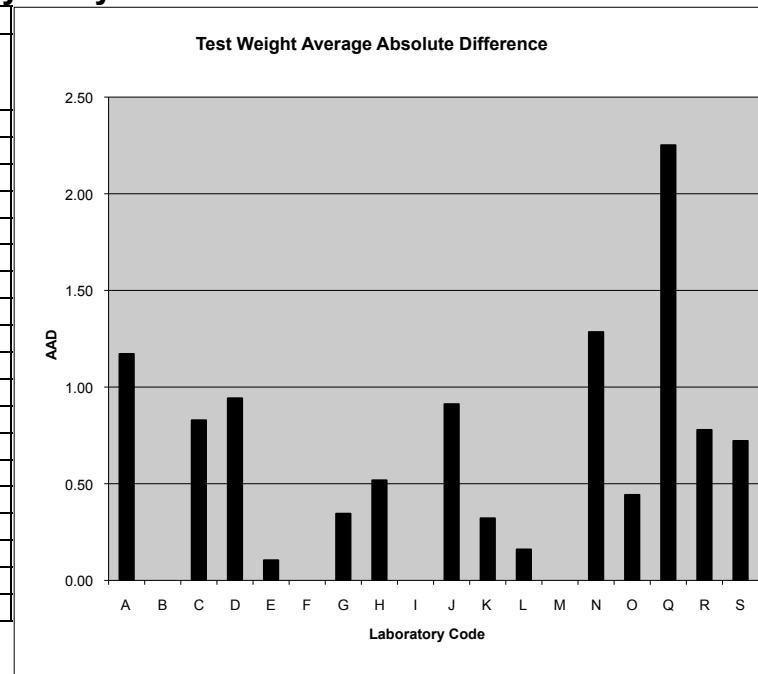
Sample 1 – No outliers were observed for this test.

Sample 2 – One outlier was identified for Lab **K** with a 0.33 of a percent discrepancy from the upper quartile limit (0.37%).

Sample 3 – No outliers were observed for this test.

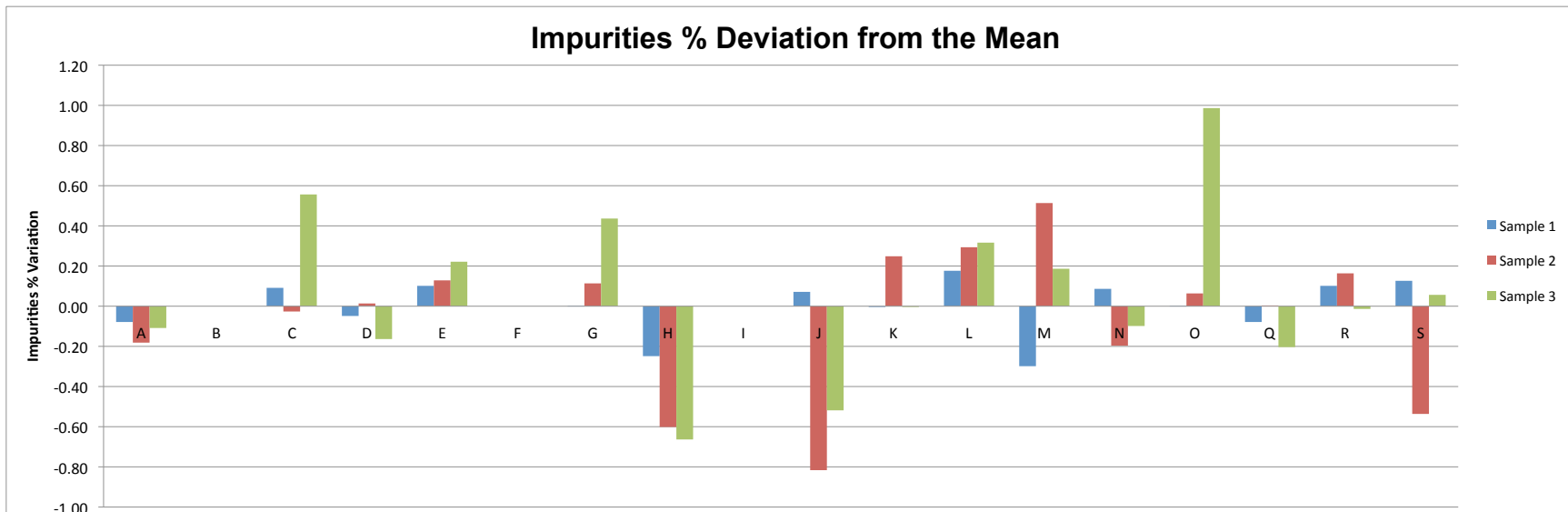
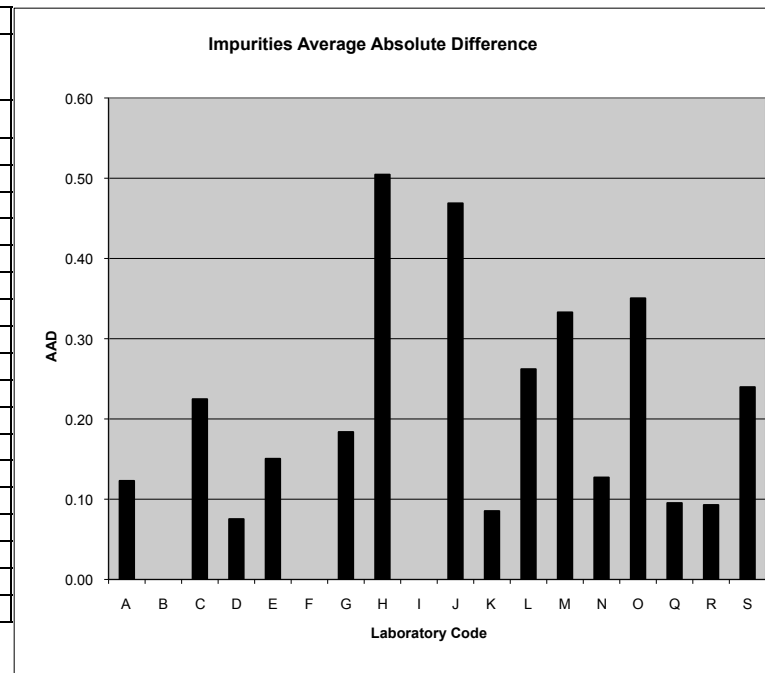
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Test Weight kg/hl								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	66.75	0.80	68.50	1.36	68.50	1.36	1.17	1.17
B								
C	65.00	-0.95	66.00	-1.14	66.75	-0.39	-0.83	0.83
D	66.50	0.55	65.75	-1.39	66.25	-0.89	-0.58	0.94
E	65.95	-0.01	67.34	0.20	67.25	0.11	0.10	0.10
F								
G	65.80	-0.15	66.70	-0.44	66.70	-0.44	-0.35	0.35
H	65.55	-0.40	67.20	0.06	66.05	-1.09	-0.48	0.52
I								
J	64.85	-1.10	66.90	-0.24	65.75	-1.39	-0.91	0.91
K	66.20	0.25	67.30	0.16	67.70	0.56	0.32	0.32
L	65.94	-0.01	66.93	-0.21	66.89	-0.26	-0.16	0.16
M								
N	66.84	0.88	68.64	1.50	68.62	1.47	1.28	1.28
O	66.00	0.05	67.00	-0.14	66.00	-1.14	-0.41	0.44
Q	66.29	0.34	71.20	4.06	69.50	2.36	2.25	2.25
R	65.15	-0.80	66.45	-0.69	66.30	-0.84	-0.78	0.78
S	65.95	0.00	68.10	0.96	67.75	0.61	0.72	0.72
MEAN	65.95		67.14		67.14			0.77
STDEV	0.63		0.87		1.13			



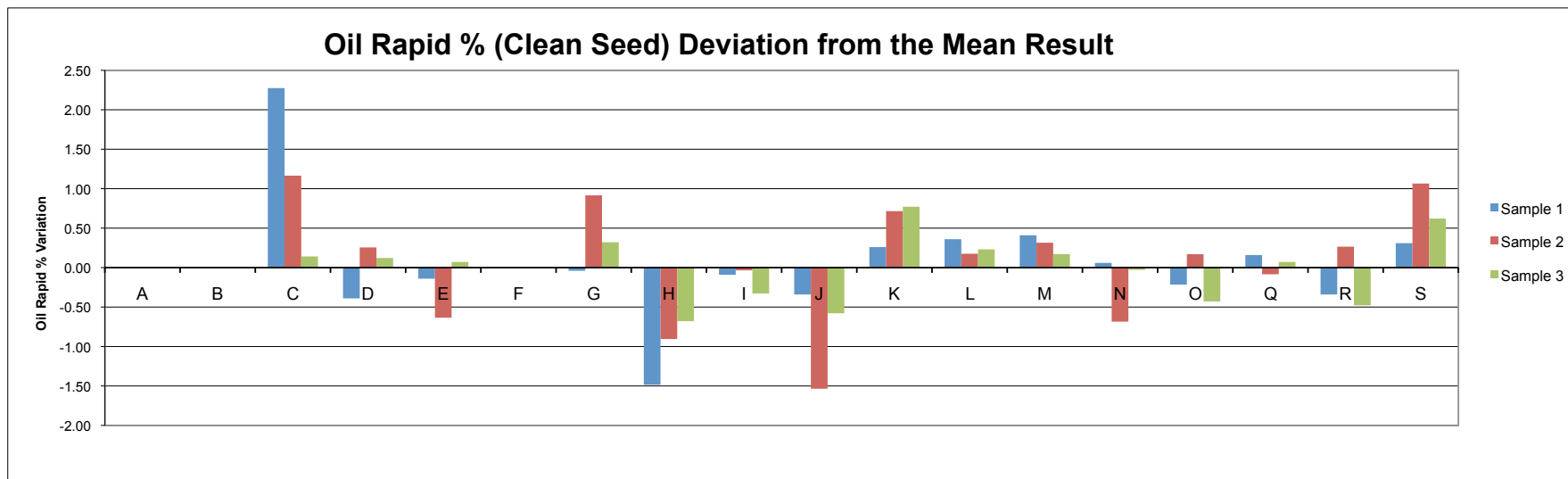
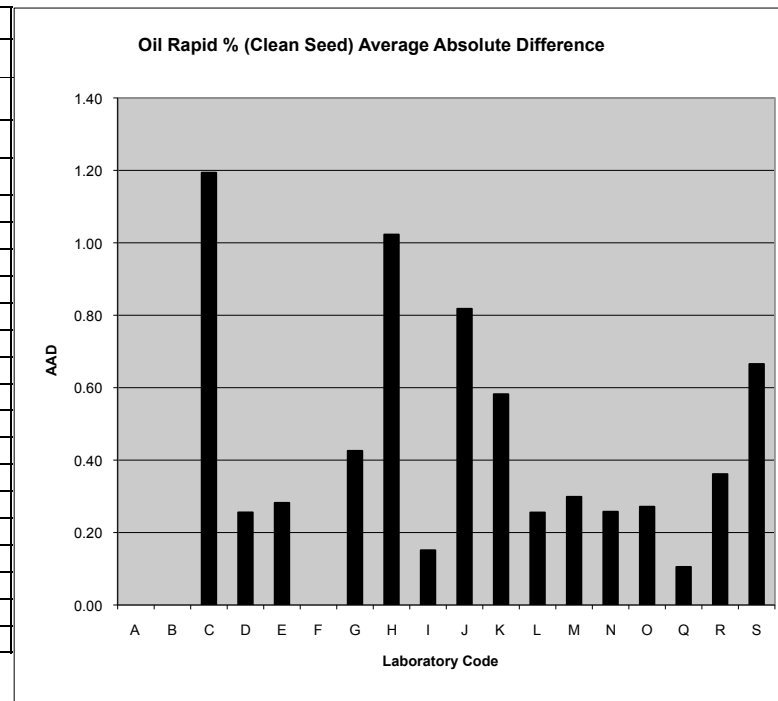
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Impurities %								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	0.52	-0.08	1.06	-0.18	1.61	-0.11	-0.12	0.12
B								
C	0.69	0.09	1.21	-0.03	2.27	0.56	0.21	0.22
D	0.55	-0.05	1.25	0.01	1.55	-0.16	-0.07	0.08
E	0.70	0.10	1.37	0.13	1.94	0.22	0.15	0.15
F								
G	0.60	0.00	1.35	0.11	2.15	0.44	0.18	0.18
H	0.35	-0.25	0.64	-0.60	1.05	-0.66	-0.50	0.50
I								
J	0.67	0.07	0.42	-0.82	1.20	-0.52	-0.42	0.47
K	0.60	0.00	1.49	0.25	1.71	0.00	0.08	0.09
L	0.78	0.18	1.53	0.29	2.03	0.32	0.26	0.26
M	0.30	-0.30	1.75	0.51	1.90	0.19	0.13	0.33
N	0.69	0.09	1.04	-0.20	1.62	-0.10	-0.07	0.13
O	0.60	0.00	1.30	0.06	2.70	0.99	0.35	0.35
Q	0.52	-0.08	1.24	0.00	1.51	-0.20	-0.09	0.10
R	0.70	0.10	1.40	0.16	1.70	-0.01	0.08	0.09
S	0.73	0.13	0.70	-0.54	1.77	0.06	-0.12	0.24
MEAN	0.60		1.24		1.71			0.22
STDEV	0.13		0.30		0.34			



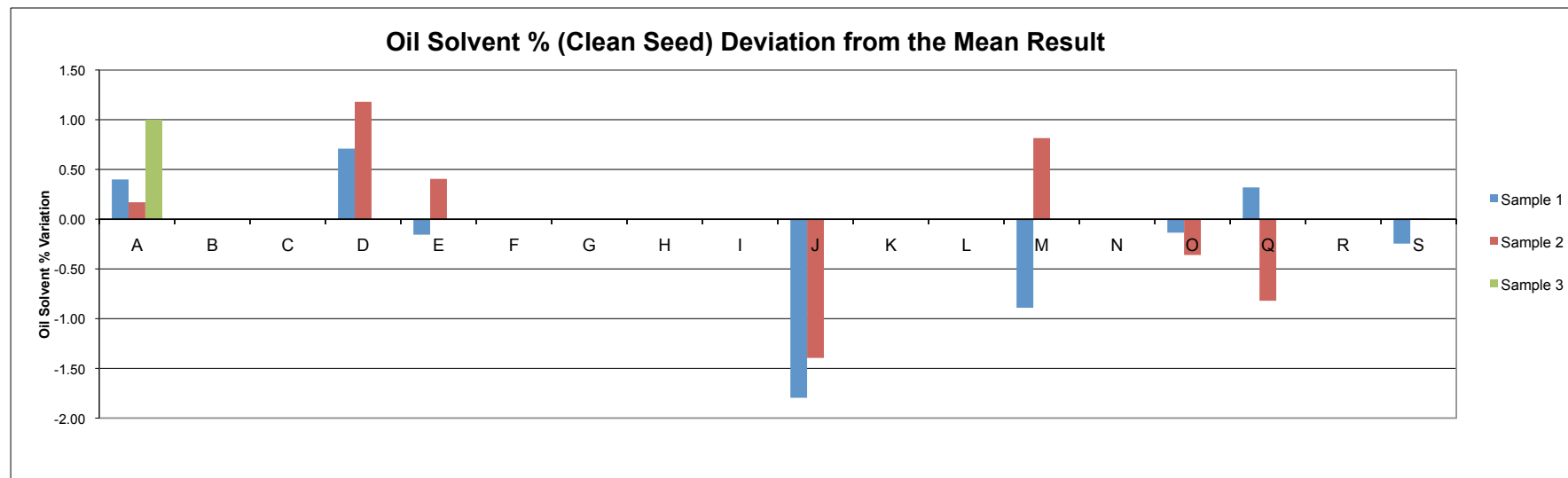
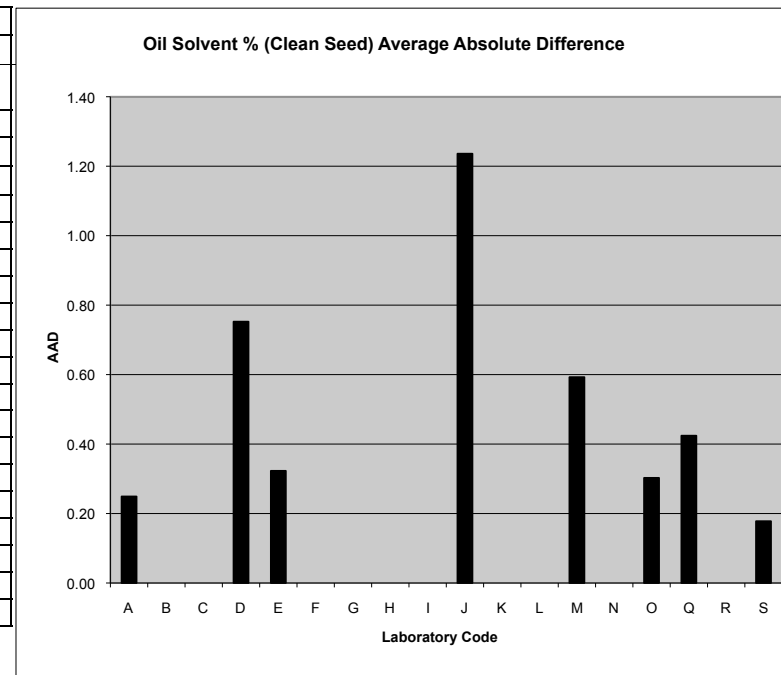
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Oil Rapid % (Clean Seed) Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B								
C	50.22	2.27	44.85	1.17	38.07	0.14	1.19	1.19
D	47.55	-0.39	43.94	0.26	38.05	0.12	0.00	0.26
E	47.80	-0.14	43.05	-0.63	38.00	0.07	-0.23	0.28
F								
G	47.90	-0.04	44.60	0.92	38.25	0.32	0.40	0.43
H	46.46	-1.49	42.78	-0.90	37.25	-0.68	-1.02	1.02
I	47.85	-0.09	43.65	-0.03	37.60	-0.33	-0.15	0.15
J	47.60	-0.34	42.15	-1.53	37.35	-0.58	-0.82	0.82
K	48.20	0.26	44.40	0.72	38.70	0.77	0.58	0.58
L	48.30	0.36	43.86	0.18	38.16	0.23	0.26	0.26
M	48.35	0.41	44.00	0.32	38.10	0.17	0.30	0.30
N	48.00	0.06	43.00	-0.68	37.90	-0.03	-0.22	0.26
O	47.73	-0.22	43.86	0.17	37.50	-0.43	-0.16	0.27
Q	48.10	0.16	43.60	-0.08	38.00	0.07	0.05	0.11
R	47.60	-0.34	43.95	0.27	37.45	-0.48	-0.18	0.36
S	48.25	0.31	44.75	1.07	38.55	0.62	0.67	0.67
MEAN	47.94		43.68		37.93			0.46
STDEV	0.28		0.72		0.43			



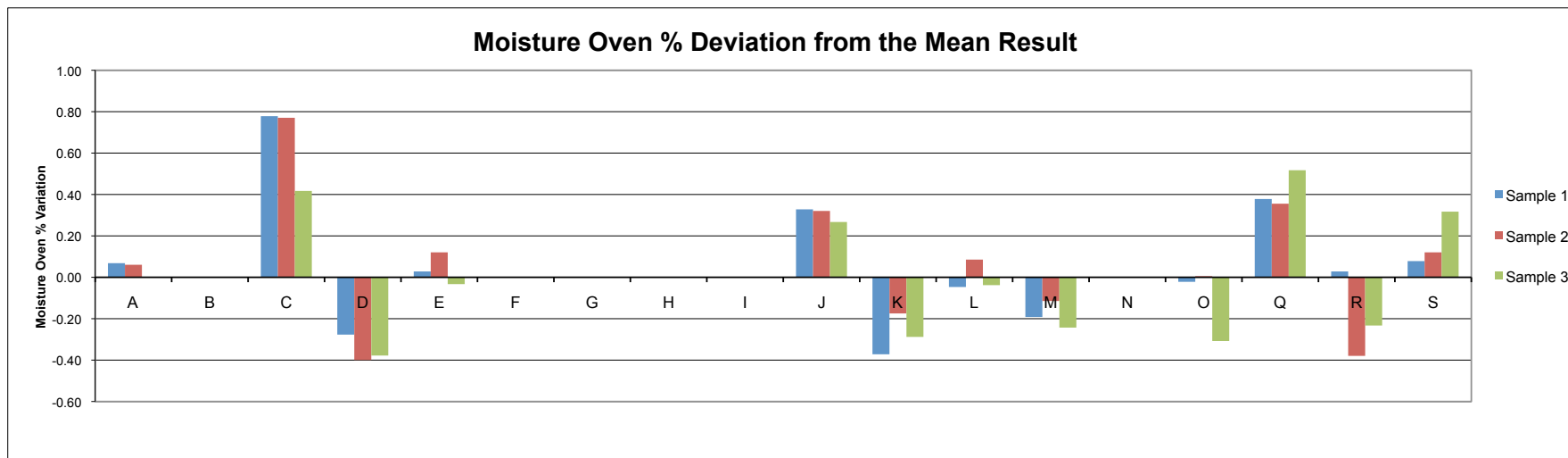
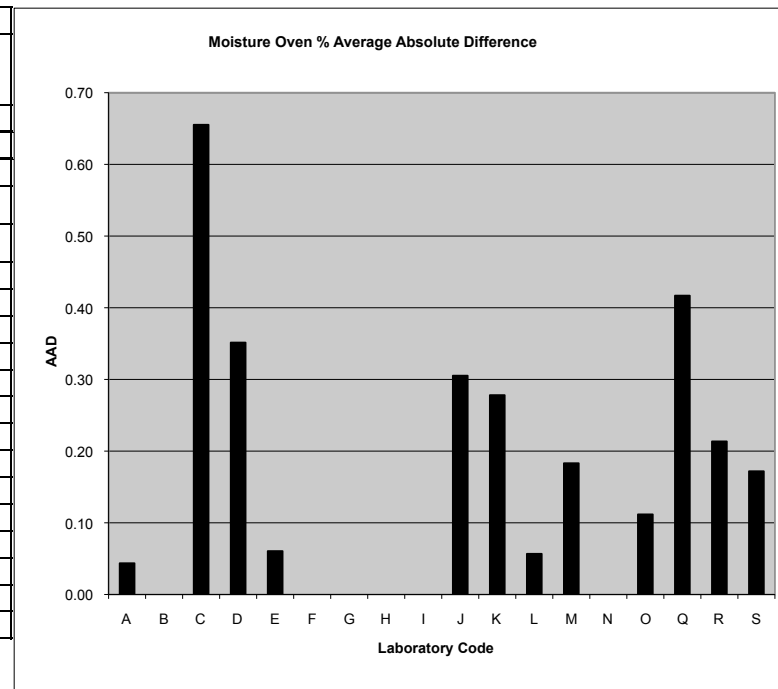
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Oil Solvent % (Clean Seed) Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	49.00	0.40	44.07	0.17	38.00	0.18	0.25	0.25
B								
C								
D	49.31	0.71	45.08	1.18	38.19	0.37	0.75	0.75
E	48.44	-0.16	44.30	0.41	38.23	0.41	0.22	0.32
F								
G								
H								
I								
J	46.80	-1.80	42.50	-1.40	37.30	-0.52	-1.24	1.24
K								
L								
M	47.71	-0.89	44.71	0.82	37.75	-0.07	-0.05	0.59
N								
O	48.46	-0.14	43.54	-0.36	37.41	-0.41	-0.30	0.30
Q	48.92	0.32	43.08	-0.82	37.95	0.13	-0.12	0.42
R								
S	48.35	-0.25	43.90	0.01	38.10	0.28	0.01	0.18
MEAN	48.60		43.90		37.82			0.51
STDEV	0.53		0.84		0.35			



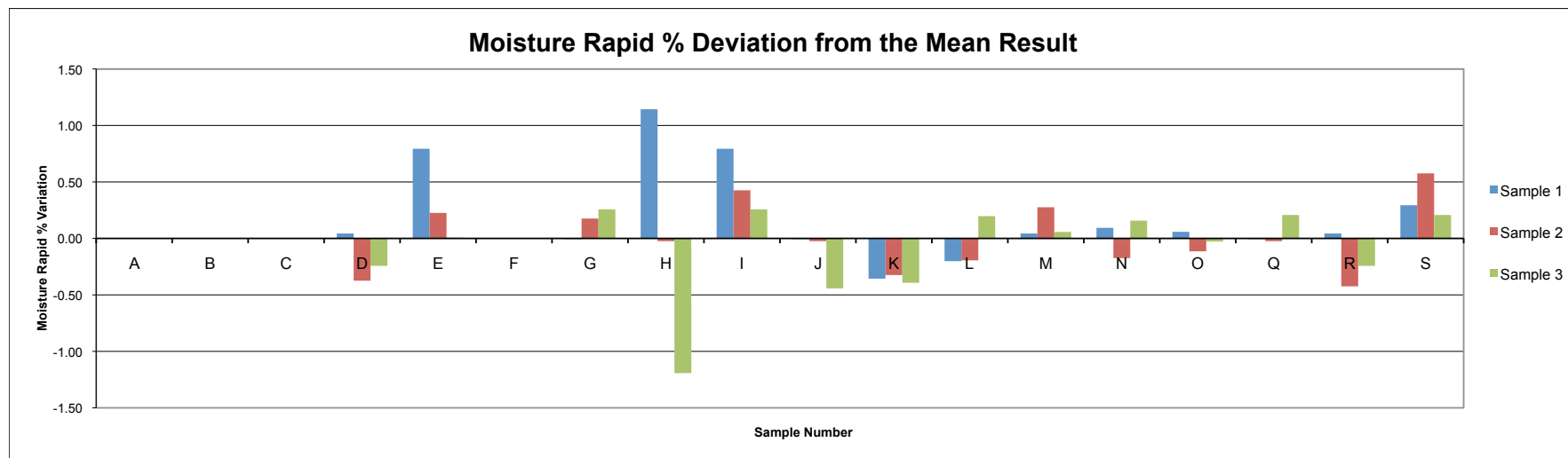
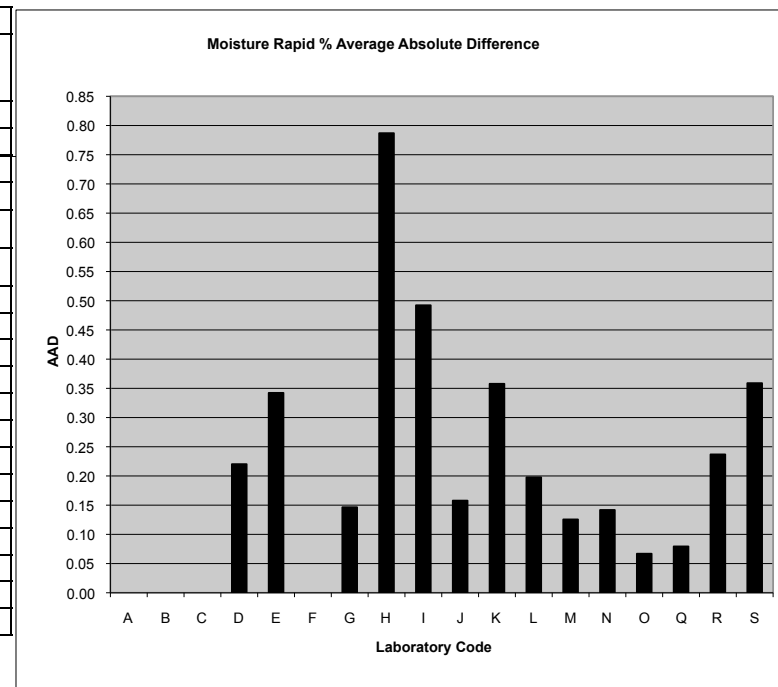
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Moisture Oven % Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	4.69	0.07	5.44	0.06	7.84	0.00	0.04	0.04
B								
C	5.40	0.78	6.15	0.77	8.25	0.42	0.66	0.66
D	4.35	-0.28	4.98	-0.40	7.46	-0.38	-0.35	0.35
E	4.65	0.03	5.50	0.12	7.80	-0.03	0.04	0.06
F								
G								
H								
I								
J	4.95	0.33	5.70	0.32	8.10	0.27	0.31	0.31
K	4.25	-0.37	5.21	-0.17	7.55	-0.29	-0.28	0.28
L	4.58	-0.05	5.47	0.09	7.80	-0.04	0.00	0.06
M	4.43	-0.19	5.27	-0.11	7.59	-0.24	-0.18	0.18
N								
O	4.60	-0.02	5.39	0.01	7.53	-0.31	-0.11	0.11
Q	5.00	0.38	5.74	0.36	8.35	0.52	0.42	0.42
R	4.65	0.03	5.00	-0.38	7.60	-0.23	-0.19	0.21
S	4.70	0.08	5.50	0.12	8.15	0.32	0.17	0.17
MEAN	4.62		5.38		7.83			0.24
STDEV	0.23		0.25		0.31			



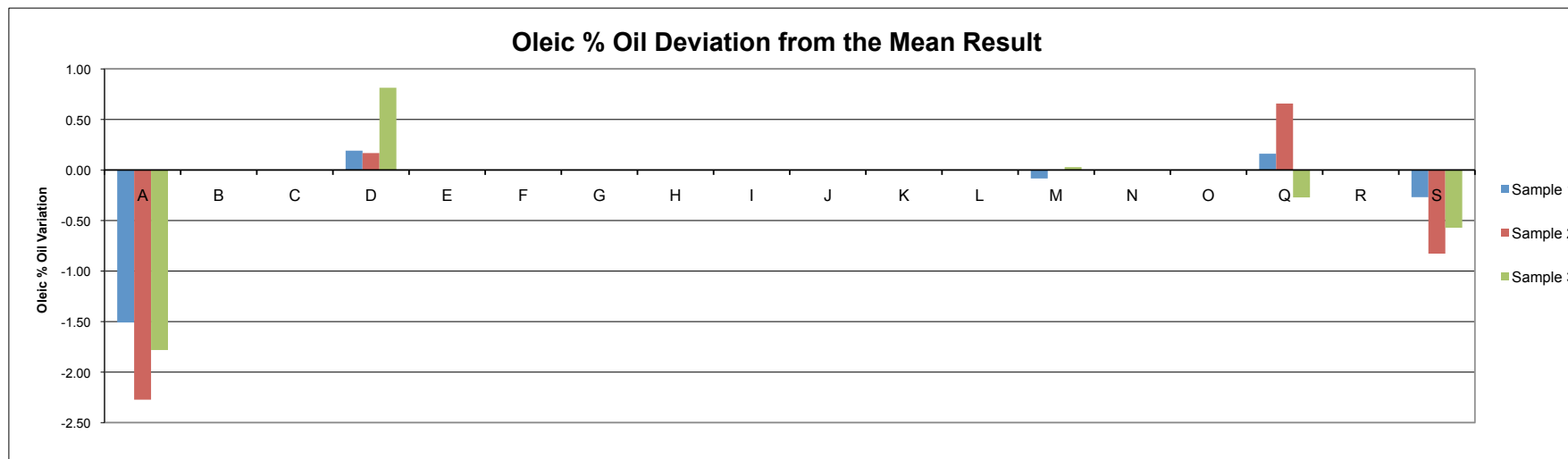
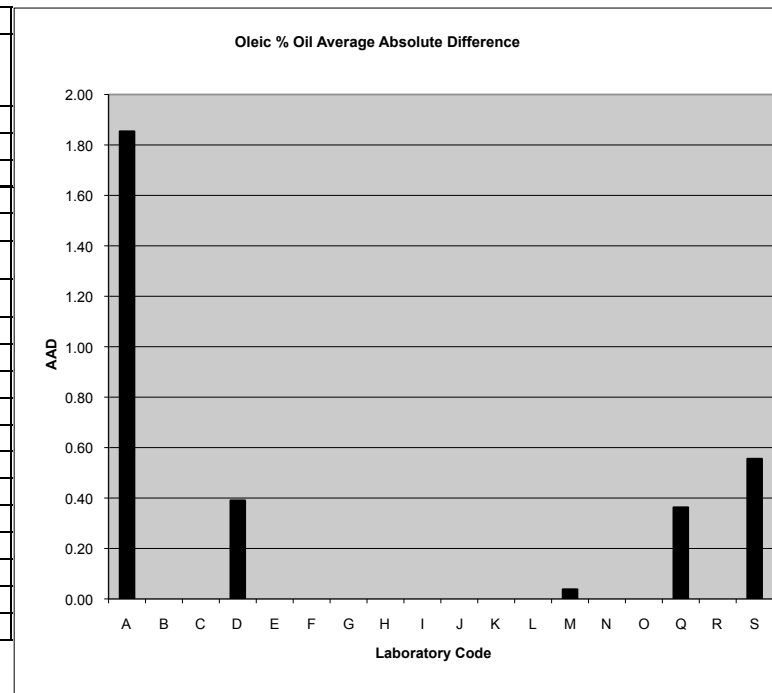
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Moisture Rapid % Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B								
C								
D	4.35	0.04	5.00	-0.37	7.50	-0.24	-0.19	0.22
E	5.10	0.79	5.60	0.23	7.75	0.01	0.34	0.34
F								
G	4.30	-0.01	5.55	0.18	8.00	0.26	0.14	0.15
H	5.45	1.14	5.35	-0.02	6.55	-1.19	-0.02	0.79
I	5.10	0.79	5.80	0.43	8.00	0.26	0.49	0.49
J	4.30	-0.01	5.35	-0.02	7.30	-0.44	-0.16	0.16
K	3.95	-0.36	5.05	-0.32	7.35	-0.39	-0.36	0.36
L	4.11	-0.20	5.18	-0.19	7.94	0.20	-0.07	0.20
M	4.35	0.04	5.65	0.28	7.80	0.06	0.13	0.13
N	4.40	0.09	5.20	-0.17	7.90	0.16	0.03	0.14
O	4.37	0.06	5.26	-0.11	7.72	-0.03	-0.03	0.07
Q	4.30	-0.01	5.35	-0.02	7.95	0.21	0.06	0.08
R	4.35	0.04	4.95	-0.42	7.50	-0.24	-0.21	0.24
S	4.60	0.29	5.95	0.58	7.95	0.21	0.36	0.36
MEAN	4.31		5.37		7.74			0.27
STDEV	0.16		0.30		0.25			



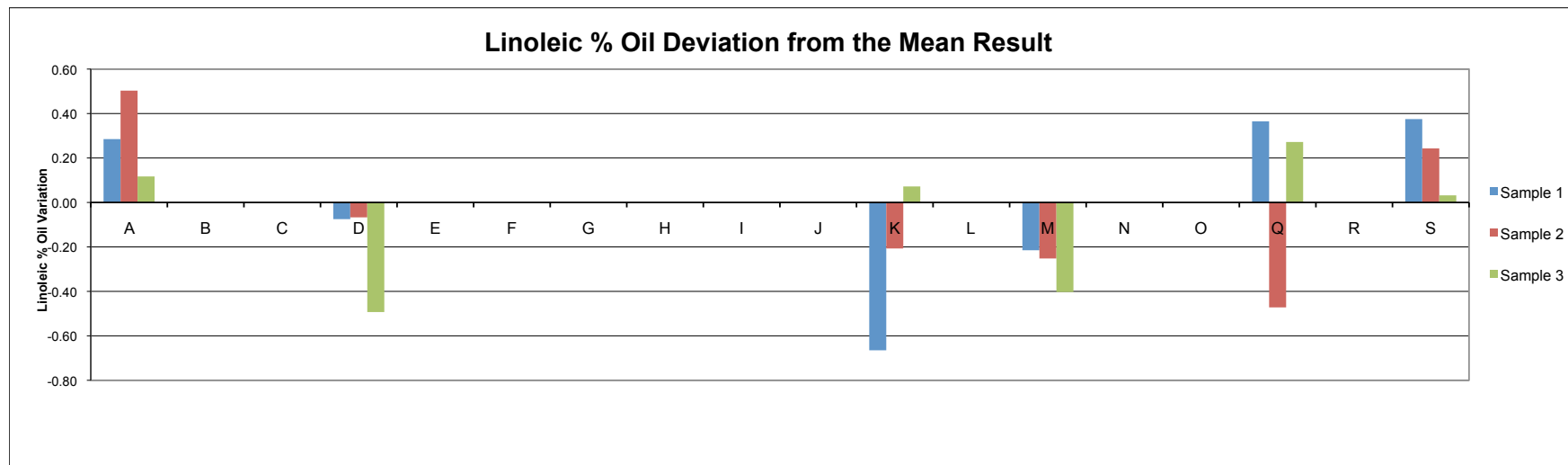
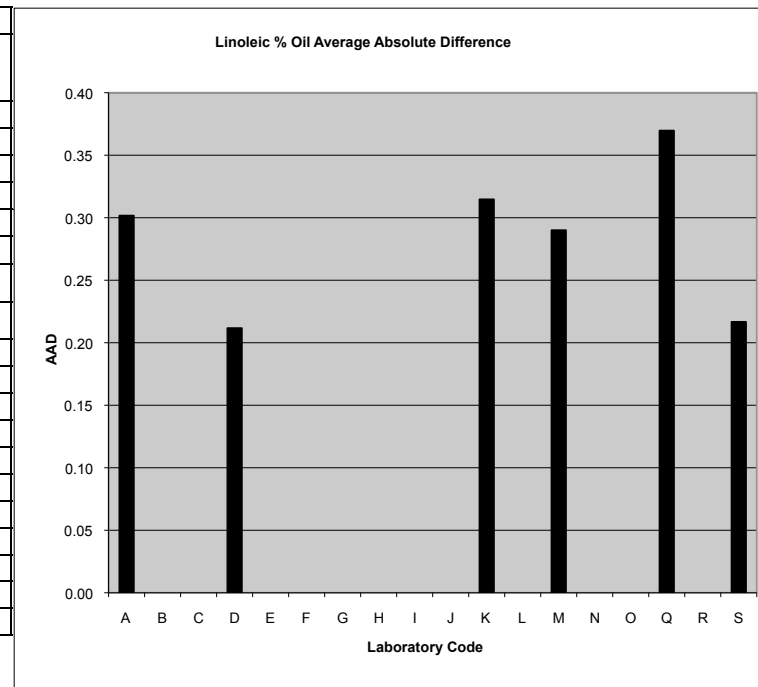
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Oleic % Oil Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	59.06	-1.51	67.81	-2.27	63.59	-1.78	-1.85	1.85
B								
C								
D	60.76	0.19	70.25	0.17	66.19	0.81	0.39	0.39
E								
F								
G								
H								
I								
J								
K								
L								
M	60.49	-0.08	70.08	0.00	65.40	0.03	-0.02	0.04
N								
O								
Q	60.73	0.16	70.74	0.66	65.10	-0.27	0.18	0.36
R								
S	60.30	-0.27	69.25	-0.83	64.80	-0.57	-0.56	0.56
MEAN	60.57		70.08		65.37			0.64
STDEV	0.22		0.62		0.60			



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Linoleic % Oil Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	22.21	0.29	14.06	0.50	18.09	0.12	0.30	0.30
B								
C								
D	21.85	-0.07	13.49	-0.07	17.48	-0.49	-0.21	0.21
E								
F								
G								
H								
I								
J								
K	21.26	-0.66	13.35	-0.21	18.04	0.07	-0.27	0.31
L								
M	21.71	-0.22	13.31	-0.25	17.57	-0.40	-0.29	0.29
N								
O								
Q	22.29	0.36	13.09	-0.47	18.24	0.27	0.06	0.37
R								
S	22.30	0.37	13.80	0.24	18.00	0.03	0.22	0.22
MEAN	21.93		13.56		17.97			0.28
STDEV	0.49		0.38		0.29			



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Free Fatty Acid % Oil Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	0.04	-0.17	0.05	-0.09	0.14	-0.25	-0.17	0.17
B								
C								
D	0.33	0.11	0.13	-0.02	0.59	0.21	0.10	0.11
E								
F								
G								
H								
I								
J	0.37	0.16	0.18	0.04	0.18	-0.21	-0.01	0.13
K	0.50	0.28	0.70	0.55	0.79	0.41	0.41	0.41
L								
M	0.12	-0.09	0.18	0.03	0.29	-0.09	-0.05	0.07
N								
O	0.10	-0.11	0.09	-0.05	0.16	-0.22	-0.13	0.13
Q	0.30	0.09	0.28	0.14	0.28	-0.10	0.04	0.11
R								
S	0.12	-0.09	0.10	-0.04	0.45	0.06	-0.03	0.07
MEAN	0.21		0.14		0.38			0.15
STDEV	0.16		0.08		0.24			

