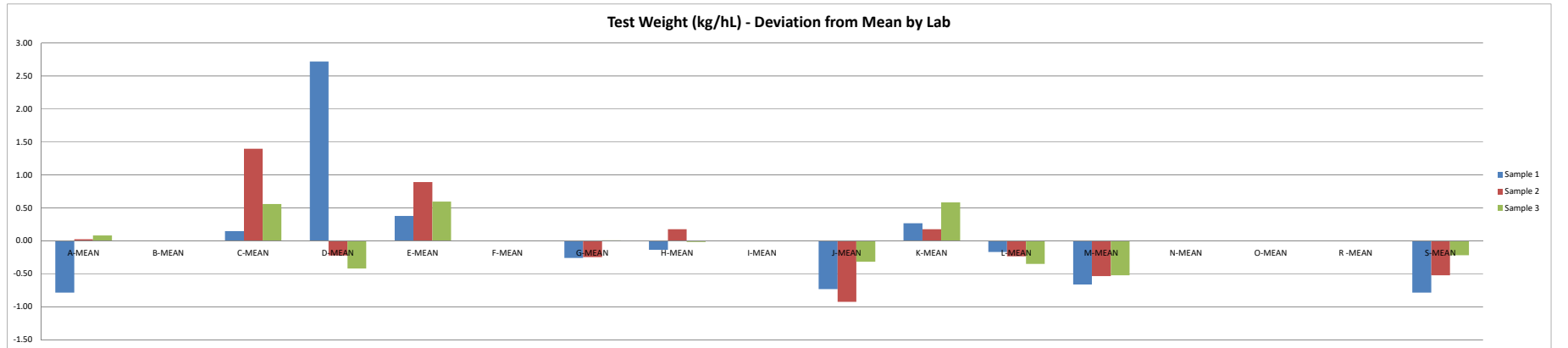


AOF Test Check Program 2019 - Round 2

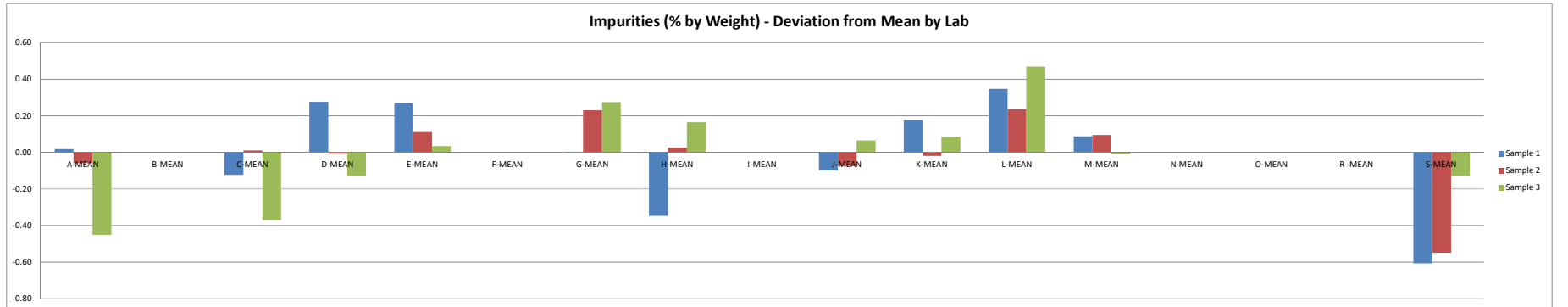
Test Weight (kg/hL)																																				
	A	A-MEAN	B	B-MEAN	C	C-MEAN	D	D-MEAN	E	E-MEAN	F	F-MEAN	G	G-MEAN	H	H-MEAN	I	I-MEAN	J	J-MEAN	K	K-MEAN	L	L-MEAN	M	M-MEAN	N	N-MEAN	O	O-MEAN	R	R-MEAN	S	S-MEAN	STDEV	MEAN
Sample 1	66.25	-0.78			67.18	0.15	69.75	2.72	67.41	0.38			66.78	-0.26	66.90	-0.13			66.30	-0.73	67.30	0.27	66.87	-0.17	66.37	-0.66							66.25	-0.78	1.00	67.03
Sample 2	67.75	0.03			69.12	1.40	67.50	-0.22	68.62	0.89			67.48	-0.25	67.90	0.18			66.80	-0.92	67.90	0.18	67.49	-0.23	67.19	-0.53							67.20	-0.52	0.66	67.72
Sample 3	67.00	0.08			67.48	0.56	66.50	-0.42	67.52	0.60			66.93	0.01	66.90	-0.02			66.60	-0.32	67.50	0.58	66.57	-0.35	66.395	-0.52							66.70	-0.22	0.42	66.92
Mean Absolute Difference		0.30				0.70		1.12		0.62				0.17		0.11				0.66		0.34		0.25		0.57								0.51		
Mean of Difference		-0.22				0.70		0.69		0.62				-0.17		0.01				-0.66		0.34		-0.25		-0.57								-0.51		



Test Weight (kg/hL) Z - score																	
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	R	S
Sample 1	-0.78		0.15	2.73	0.38		-0.26	-0.13		-0.73	0.27	-0.17	-0.66				-0.78
Sample 2	0.04		2.11	-0.33	1.35		-0.37	0.27		-1.39	0.27	-0.35	-0.80				-0.79
Sample 3	0.20		1.34	-1.00	1.44		0.02	-0.04		-0.76	1.40	-0.83	-1.25				-0.52

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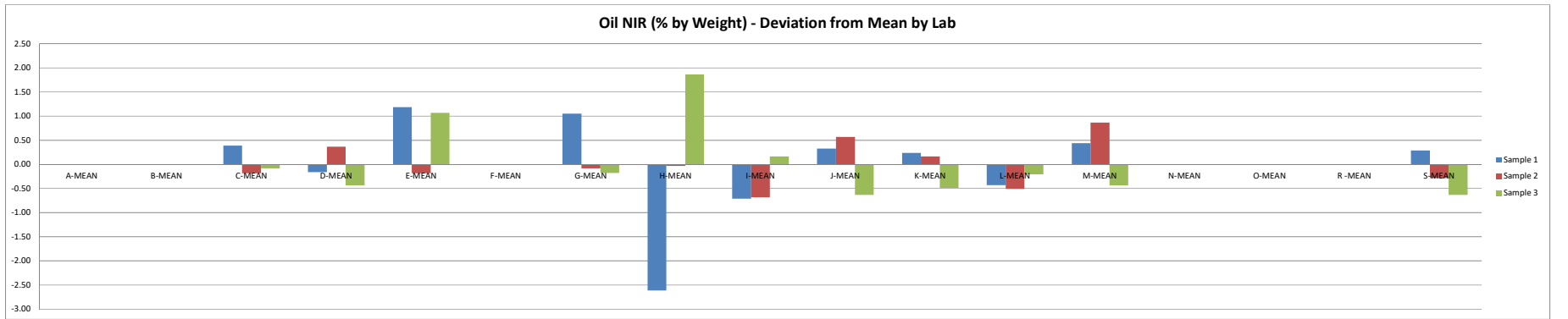
Impurities (% by Weight)																																				
	A	A-MEAN	B	B-MEAN	C	C-MEAN	D	D-MEAN	E	E-MEAN	F	F-MEAN	G	G-MEAN	H	H-MEAN	I	I-MEAN	J	J-MEAN	K	K-MEAN	L	L-MEAN	M	M-MEAN	N	N-MEAN	O	O-MEAN	R	R-MEAN	S	S-MEAN	STDEV	MEAN
Sample 1	0.72	0.02			0.58	-0.12	0.97	0.28	0.97	0.27			0.70	0.00	0.35	-0.35			0.60	-0.10	0.88	0.18	1.05	0.35	0.79	0.09							0.09	-0.61	0.29	0.70
Sample 2	0.72	-0.06			0.79	0.01	0.77	-0.01	0.89	0.11			1.01	0.23	0.80	0.03			0.70	-0.07	0.76	-0.02	1.01	0.24	0.87	0.10							0.23	-0.55	0.21	0.77
Sample 3	0.29	-0.45			0.37	-0.37	0.61	-0.13	0.77	0.03			1.01	0.27	0.90	0.16			0.80	0.06	0.82	0.08	1.21	0.47	0.73	-0.01							0.61	-0.13	0.27	0.74
Mean Absolute Difference		0.18				0.17		0.14		0.14				0.17		0.18				0.08		0.09		0.35		0.06								0.43		
Mean of Difference		-0.16				-0.16		0.05		0.14				0.17		-0.05				-0.04		0.08		0.35		0.06								-0.43		



Impurities (% by Weight) Z - score																	
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	R	S
Sample 1	0.06		-0.43	0.96	0.95		-0.01	-1.21		-0.34	0.62	1.21	0.30				-2.12
Sample 2	-0.28		0.05	-0.03	0.53		1.10	0.12		-0.35	-0.09	1.12	0.46				-2.61
Sample 3	-1.69		-1.39	-0.49	0.13		1.03	0.62		0.24	0.32	1.76	-0.04				-0.49

AOF Test Check Program 2019 - Round 2

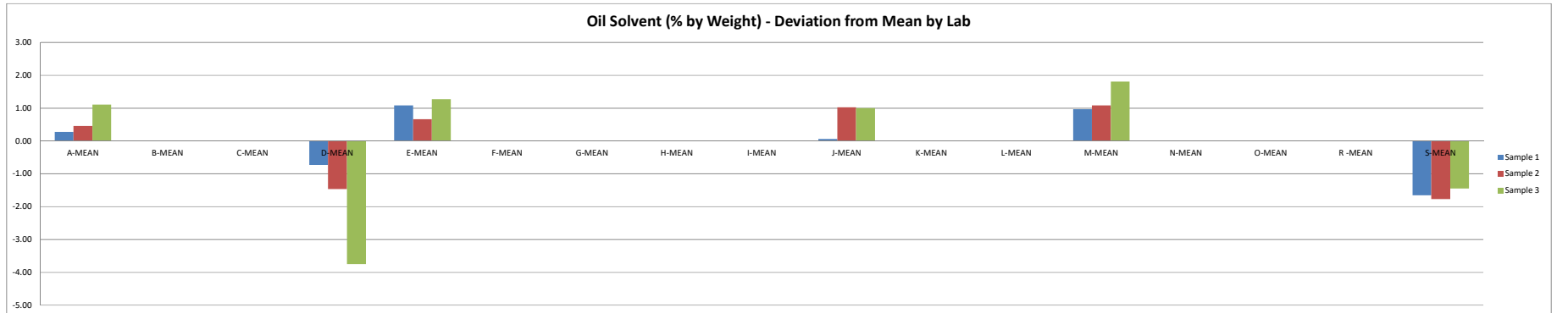
Oil NIR (% by Weight)																																				
	A	A-MEAN	B	B-MEAN	C	C-MEAN	D	D-MEAN	E	E-MEAN	F	F-MEAN	G	G-MEAN	H	H-MEAN	I	I-MEAN	J	J-MEAN	K	K-MEAN	L	L-MEAN	M	M-MEAN	N	N-MEAN	O	O-MEAN	R	R-MEAN	S	S-MEAN	STDEV	MEAN
Sample 1					48.90	0.39	48.35	-0.16	49.70	1.19			49.56	1.05	45.90	-2.61	47.80	-0.71	48.84	0.33	48.75	0.24	48.08	-0.43	48.95	0.44							48.80	0.29	1.03	48.51
Sample 2					43.65	-0.18	44.20	0.37	43.65	-0.18			43.75	-0.08	43.80	-0.03	43.15	-0.68	44.40	0.57	44.00	0.17	43.33	-0.51	44.70	0.87							43.55	-0.28	0.46	43.83
Sample 3					46.60	-0.09	46.25	-0.43	47.75	1.07			46.51	-0.18	48.55	1.87	46.85	0.17	46.05	-0.63	46.20	-0.48	46.48	-0.20	46.25	-0.43							46.05	-0.63	0.78	46.69
Mean Absolute Difference						0.22		0.32		0.81				0.44		1.50		0.52		0.51		0.30		0.38		0.58							0.40			
Mean of Difference						0.04		-0.08		0.69				0.26		-0.26		-0.41		0.09		-0.03		-0.38		0.29							-0.21			



Oil NIR (% by Weight) Z - score																	
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	R	S
Sample 1			0.38	-0.16	1.15			1.02	-2.53	-0.69	0.32	0.23	-0.42	0.42			0.28
Sample 2			-0.40	0.80	-0.40			-0.18	-0.07	-1.49	1.23	0.36	-1.11	1.88			-0.62
Sample 3			-0.11	-0.56	1.36			-0.23	2.38	0.21	-0.81	-0.62	-0.26	-0.56			-0.81

AOF Test Check Program 2019 - Round 2

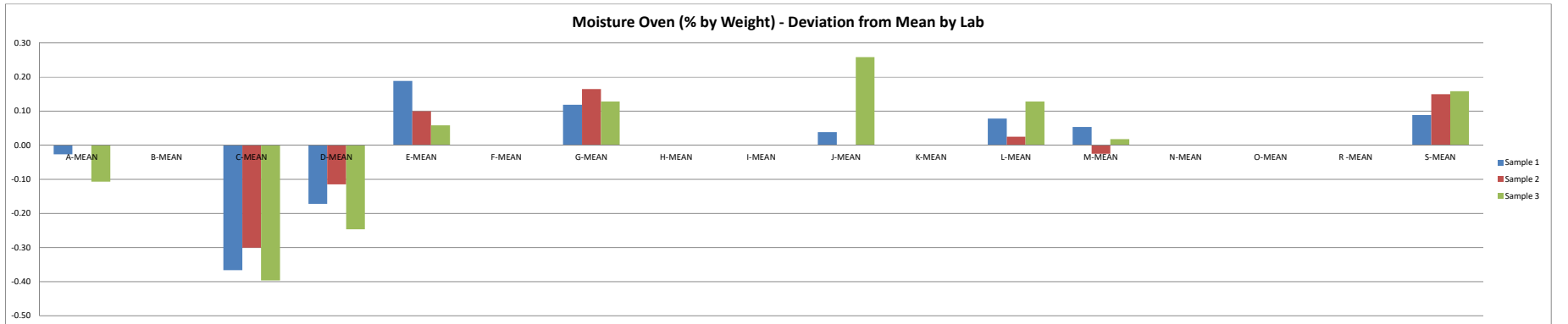
Oil Solvent (% by Weight)																																				
	A	A-MEAN	B	B-MEAN	C	C-MEAN	D	D-MEAN	E	E-MEAN	F	F-MEAN	G	G-MEAN	H	H-MEAN	I	I-MEAN	J	J-MEAN	K	K-MEAN	L	L-MEAN	M	M-MEAN	N	N-MEAN	O	O-MEAN	R	R-MEAN	S	S-MEAN	STDEV	MEAN
Sample 1	49.28	0.28					48.27	-0.73	50.09	1.08									49.06	0.06					49.97	0.97							47.35	-1.65	1.04	49.00
Sample 2	43.68	0.46					41.76	-1.46	43.88	0.66									44.25	1.03					44.31	1.08							41.45	-1.77	1.28	43.22
Sample 3	46.81	1.11					41.95	-3.75	46.97	1.27									46.70	1.01					47.50	1.81							44.25	-1.44	2.16	45.69
Mean Absolute Difference		0.62						1.98		1.00										0.70						1.29								1.62		
Mean of Difference		0.62						-1.98		1.00										0.70						1.29								-1.62		



Oil Solvent (% by Weight) Z - score																	
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	R	S
Sample 1	0.27			-0.70	1.04						0.06			0.93			-1.58
Sample 2	0.36			-1.14	0.52					0.81				0.85			-1.39
Sample 3	0.51			-1.74	0.59					0.47				0.84			-0.67

AOF Test Check Program 2019 - Round 2

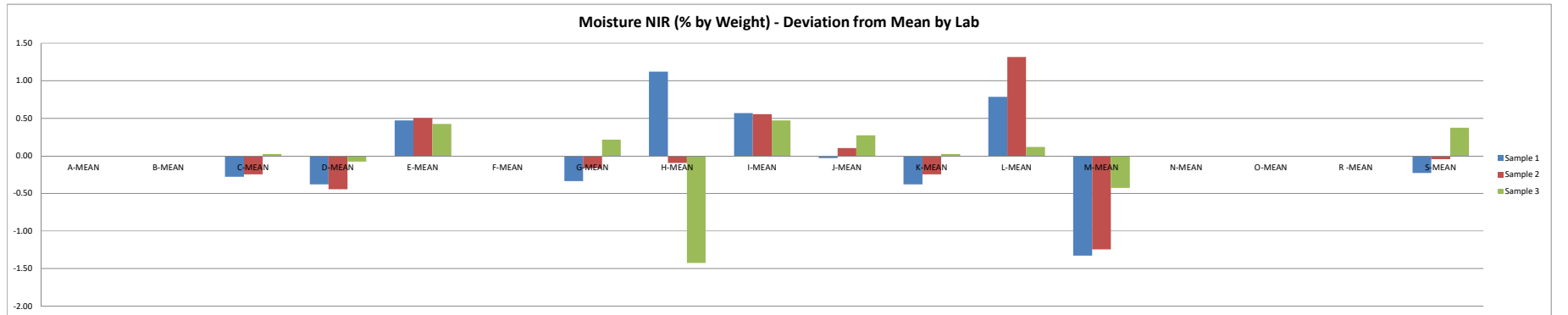
Moisture Oven (% by Weight)																																				
	A	A-MEAN	B	B-MEAN	C	C-MEAN	D	D-MEAN	E	E-MEAN	F	F-MEAN	G	G-MEAN	H	H-MEAN	I	I-MEAN	J	J-MEAN	K	K-MEAN	L	L-MEAN	M	M-MEAN	N	N-MEAN	O	O-MEAN	R	R-MEAN	S	S-MEAN	STDEV	MEAN
Sample 1	4.14	-0.03			3.80	-0.37	3.99	-0.17	4.35	0.19			4.28	0.12					4.20	0.04			4.24	0.08	4.22	0.05							4.25	0.09	0.17	4.16
Sample 2	5.40	0.00			5.10	-0.30	5.29	-0.11	5.50	0.10			5.57	0.17					5.40	0.00			5.43	0.03	5.38	-0.02							5.55	0.15	0.14	5.40
Sample 3	5.24	-0.11			4.95	-0.40	5.10	-0.25	5.40	0.06			5.47	0.13					5.60	0.26			5.47	0.13	5.36	0.02							5.50	0.16	0.21	5.34
Mean Absolute Difference		0.04				0.35		0.18		0.12				0.14						0.10				0.08		0.03								0.13		
Mean of Difference		-0.04				-0.35		-0.18		0.12				0.14						0.10				0.08		0.02								0.13		



Moisture Oven (% by Weight) Z - score																	
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	R	S
Sample 1	-0.16		-2.15	-1.01	1.11		0.69			0.22		0.46	0.31				0.52
Sample 2	0.00		-2.09	-0.80	0.70		1.15			0.00		0.17	-0.17				1.05
Sample 3	-0.50		-1.87	-1.17	0.28		0.61			1.22		0.61	0.09				0.75

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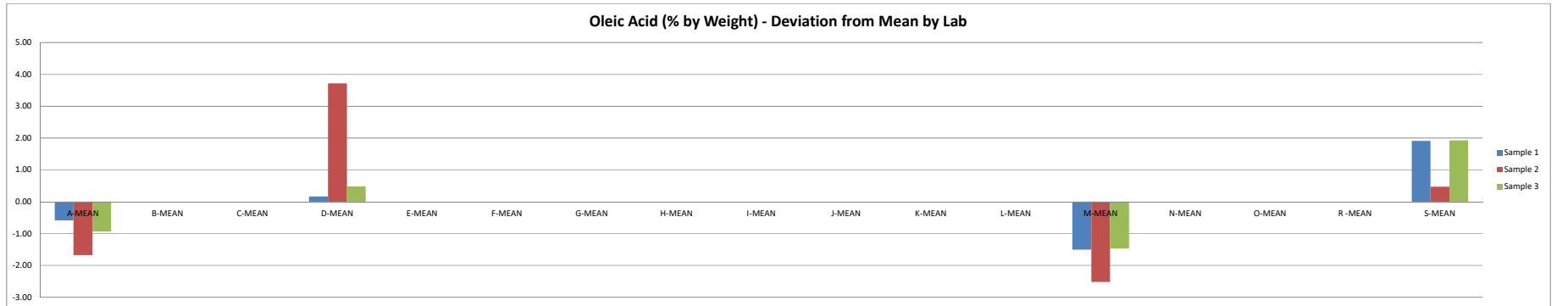
Moisture NIR (% by Weight)																																					
	A	A-MEAN	B	B-MEAN	C	C-MEAN	D	D-MEAN	E	E-MEAN	F	F-MEAN	G	G-MEAN	H	H-MEAN	I	I-MEAN	J	J-MEAN	K	K-MEAN	L	L-MEAN	M	M-MEAN	N	N-MEAN	O	O-MEAN	R	R-MEAN	S	S-MEAN	STDEV	MEAN	
Sample 1					3.75	-0.28	3.65	-0.38	4.50	0.47			3.70	-0.33	5.15	1.12	4.60	0.57	4.00	-0.03	3.65	-0.38	4.82	0.79	2.70	-1.33								3.80	-0.23	0.69	4.03
Sample 2					4.85	-0.24	4.65	-0.44	5.60	0.51			4.93	-0.16	5.00	-0.09	5.65	0.56	5.20	0.11	4.85	-0.24	6.41	1.32	3.85	-1.24								5.05	-0.04	0.65	5.09
Sample 3					5.15	0.02	5.05	-0.08	5.55	0.42			5.34	0.21	3.70	-1.43	5.60	0.47	5.40	0.27	5.15	0.02	5.25	0.12	4.70	-0.43							5.50	0.37	0.54	5.13	
Mean Absolute Difference						0.18		0.30		0.47				0.24		0.88		0.53		0.14		0.22		0.74		1.00								0.22			
Mean of Difference						-0.17		-0.30		0.47				-0.09		-0.13		0.53		0.12		-0.20		0.74		-1.00								0.03			



Moisture NIR (% by Weight) Z - score																	
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	R	S
Sample 1			-0.40	-0.55	0.69		-0.49	1.63	0.83	-0.04	-0.55	1.15	-1.93				-0.33
Sample 2			-0.38	-0.69	0.78		-0.25	-0.15	0.86	0.16	-0.38	2.03	-1.92				-0.07
Sample 3			0.04	-0.14	0.79		0.40	-2.65	0.88	0.51	0.04	0.22	-0.79				0.69

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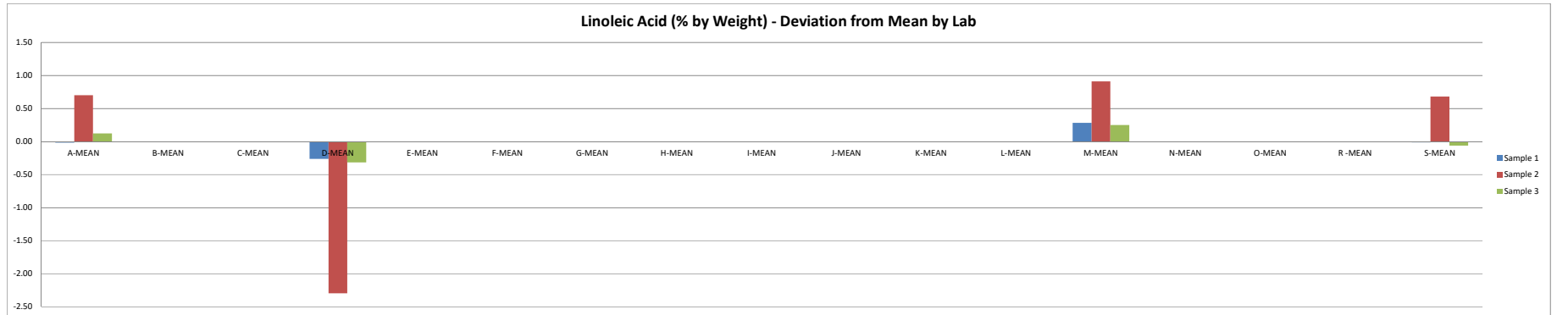
Oleic Acid (% by Weight)																																							
	A	A-MEAN	B	B-MEAN	C	C-MEAN	D	D-MEAN	E	E-MEAN	F	F-MEAN	G	G-MEAN	H	H-MEAN	I	I-MEAN	J	J-MEAN	K	K-MEAN	L	L-MEAN	M	M-MEAN	N	N-MEAN	O	O-MEAN	R	R-MEAN	S	S-MEAN	STDEV	MEAN			
Sample 1	59.60	-0.59					60.36	0.17																	58.69	-1.50								62.10	1.92	1.45	60.19		
Sample 2	61.56	-1.68					66.96	3.72																	60.72	-2.52								63.70	0.47	2.78	63.23		
Sample 3	64.79	-0.94					66.21	0.48																	64.25	-1.47								67.65	1.93	1.53	65.72		
Mean Absolute Difference		1.07						1.46																												1.83			
Mean of Difference		-1.07						1.46																													-1.83		1.44



Oleic Acid (% by Weight) (% by Weight) Z - score																	
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	R	S
Sample 1	-0.40			0.12									-1.04				1.32
Sample 2	-0.60			1.34									-0.90				0.17
Sample 3	-0.61			0.32									-0.96				1.26

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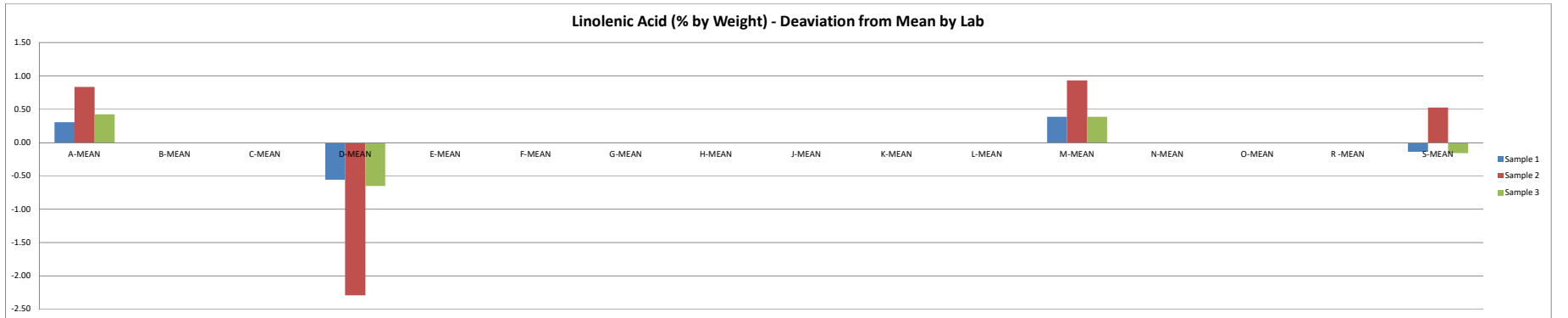
Linoleic Acid (% by Weight)																																					
	A	A-MEAN	B	B-MEAN	C	C-MEAN	D	D-MEAN	E	E-MEAN	F	F-MEAN	G	G-MEAN	H	H-MEAN	I	I-MEAN	J	J-MEAN	K	K-MEAN	L	L-MEAN	M	M-MEAN	N	N-MEAN	O	O-MEAN	R	R-MEAN	S	S-MEAN	STDEV	MEAN	
Sample 1		22.50	-0.02					22.25	-0.26																22.80	0.29								22.50	-0.01	0.22	22.51
Sample 2		21.57	0.70					18.57	-2.30																21.78	0.91								21.55	0.68	1.54	20.87
Sample 3		16.09	0.12					15.65	-0.32																16.22	0.25								15.90	-0.06	0.25	15.96
Mean Absolute Difference			0.28						0.96																	0.48									0.25		
Mean of Difference			0.27						-0.96																	0.48									0.20		



Linoleic Acid (% by Weight) Z - score																	
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	R	S
Sample 1	-0.07			-1.17									1.28				-0.04
Sample 2	0.46			-1.50									0.59				0.44
Sample 3	0.50			-1.28									1.03				-0.25

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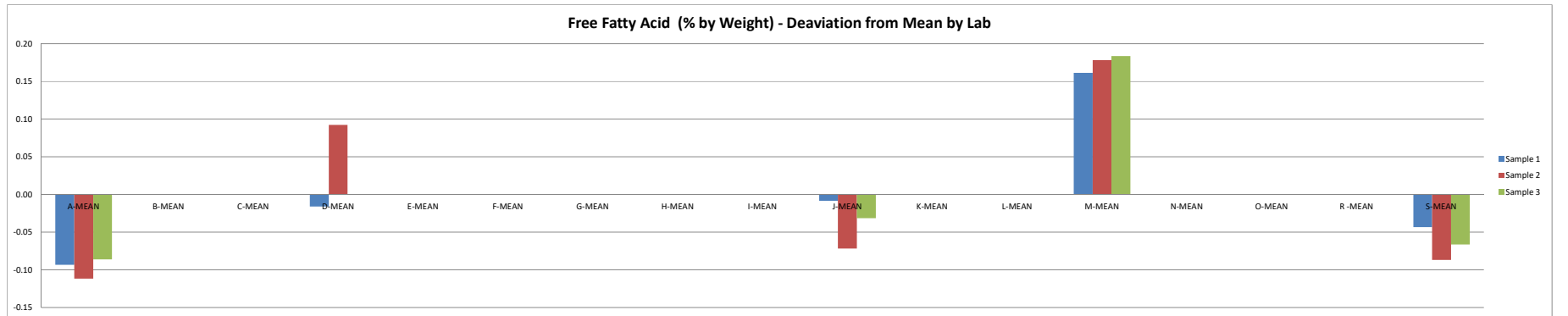
Linolenic Acid (% by Weight)																																					
	A	A-MEAN	B	B-MEAN	C	C-MEAN	D	D-MEAN	E	E-MEAN	F	F-MEAN	G	G-MEAN	H	H-MEAN	I	I-MEAN	J	J-MEAN	K	K-MEAN	L	L-MEAN	M	M-MEAN	N	N-MEAN	O	O-MEAN	R	R-MEAN	S	S-MEAN	STDEV	MEAN	
Sample 1		9.89	0.30					9.03	-0.56																9.98	0.39								9.45	-0.14	0.44	9.59
Sample 2		8.61	0.84					5.48	-2.29																8.71	0.93								8.30	0.53	1.54	7.77
Sample 3		10.58	0.42					9.51	-0.65																10.55	0.39								10.00	-0.16	0.51	10.16
Mean Absolute Difference			0.52						1.17																	0.57									0.27		
Mean of Difference			0.52						-1.17																	0.57									0.08		



Linolenic Acid (% by Weight) Z - score																	
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	R	S
Sample 1	0.70			-1.27									0.89				-0.31
Sample 2	0.54			-1.49									0.61				0.34
Sample 3	0.83			-1.28									0.76				-0.31

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Free Fatty Acid (% by Weight)																																					
	A	A-MEAN	B	B-MEAN	C	C-MEAN	D	D-MEAN	E	E-MEAN	F	F-MEAN	G	G-MEAN	H	H-MEAN	I	I-MEAN	J	J-MEAN	K	K-MEAN	L	L-MEAN	M	M-MEAN	N	N-MEAN	O	O-MEAN	R	R-MEAN	S	S-MEAN	STDEV	MEAN	
Sample 1		0.08	-0.09					0.16	-0.02										0.17	-0.01					0.34	0.16								0.13	-0.04	0.10	0.17
Sample 2		0.06	-0.11					0.26	0.09										0.10	-0.07					0.35	0.18							0.08	-0.09	0.13	0.17	
Sample 3		0.05	-0.09					0.14	0.00										0.11	-0.03					0.32	0.18							0.07	-0.07	0.11	0.14	
Mean Absolute Difference			0.10						0.04											0.04						0.17								0.07			
Mean of Difference			-0.10						0.03											-0.04						0.17								-0.07			



Free Fatty Acid (% by Weight) Z - score																	
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	R	S
Sample 1	-0.97			-0.17							-0.09		1.68				-0.45
Sample 2	-0.87			0.72							-0.56		1.39				-0.68
Sample 3	-0.80			0.00							-0.29		1.70				-0.61

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2019 - Round 2

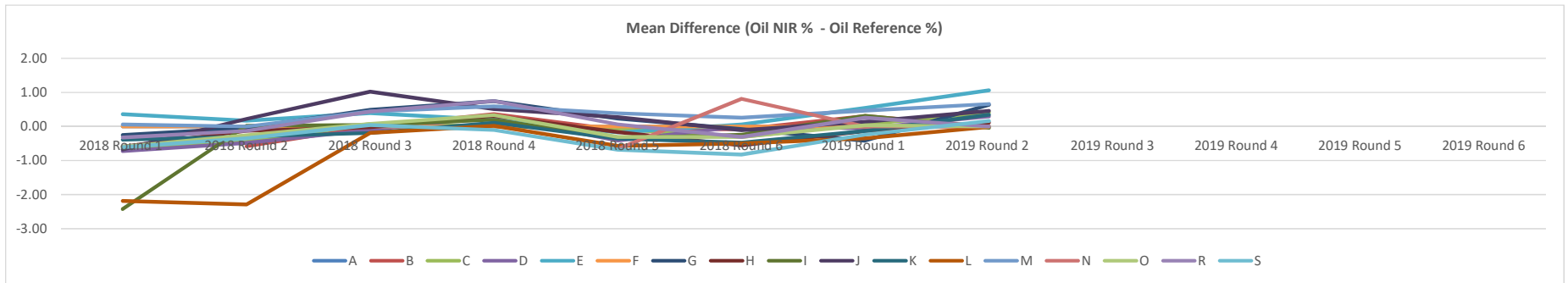
Oil % (NIR) - Oil % (Mean Reference)																	
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	R	S
Sample 1			-0.10	-0.65	0.70		0.56	-3.10	-1.20	-0.16	-0.25	-0.92	-0.05				-0.20
Sample 2			0.43	0.98	0.43		0.53	0.58	-0.07	1.18	0.78	0.10	1.48				0.33
Sample 3			0.91	0.56	2.06		0.81	2.86	1.16	0.36	0.51	0.79	0.56				0.36
Average			0.41	0.29	1.06		0.63	0.11	-0.04	0.46	0.34	-0.01	0.66				0.16

Moisture % (NIR) - Moisture % (Mean Reference)																	
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	R	S
Sample 1			-0.41	-0.51	0.34		-0.47	0.99	0.44	-0.16	-0.51	0.65	-1.46				-0.36
Sample 2			-0.55	-0.75	0.20		-0.47	-0.40	0.25	-0.20	-0.55	1.01	-1.55				-0.35
Sample 3			-0.19	-0.29	0.21		0.00	-1.64	0.26	0.06	-0.19	-0.10	-0.64				0.16
Average			-0.38	-0.52	0.25		-0.31	-0.35	0.32	-0.10	-0.42	0.52	-1.22				-0.18

AOF Test Check Program 2019 - Round 2

Collective Oil

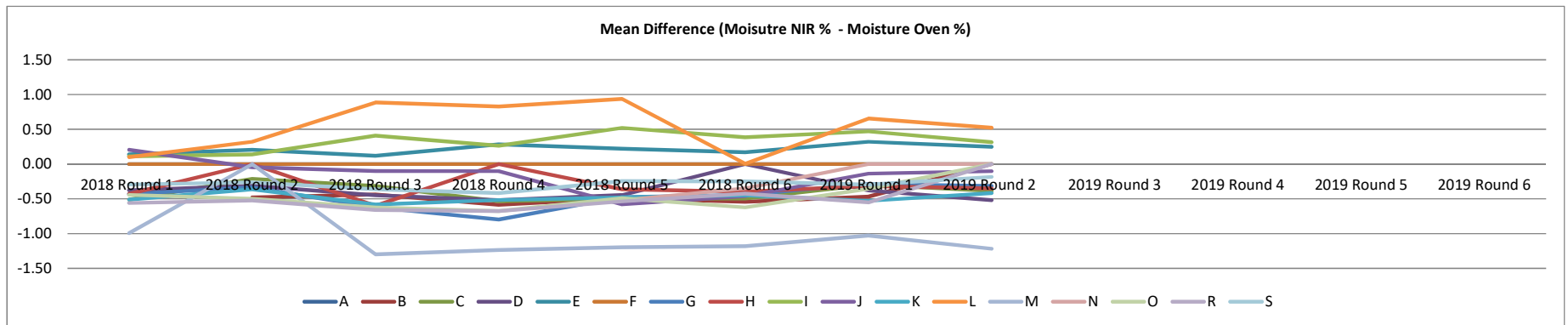
Mean Difference (Oil NIR % - Oil Reference %)																			
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	R	S		
2018 Round 1			-0.64	-0.72	0.36		-0.25	-0.59	-2.42	-0.67	-0.39	-2.18	0.06		-0.59	-0.32	-0.61		
2018 Round 2		-0.58	-0.45	-0.48	0.17		-0.04	-0.13	0.02	0.22	-0.30	-2.29			-0.26	-0.13	-0.35		
2018 Round 3		0.00	0.08	-0.11	0.39		0.49	-0.02	0.04	1.02	-0.19	-0.19	0.44		0.08	0.44	0.04		
2018 Round 4		0.36	0.01	0.29	0.19		0.74	0.31	0.20	0.51	0.11	0.02	0.59		0.33	0.75	-0.11		
2018 Round 5		-0.10	-0.08	-0.41	-0.18		0.23	-0.16	-0.34	0.27	-0.36	-0.57	0.39	-0.66	-0.31	0.06	-0.68		
2018 Round 6		-0.08	-0.31		0.06		-0.07	-0.56	-0.24	-0.11	-0.48	-0.50	0.26	0.81	-0.31	-0.31	-0.83		
2019 Round 1		0.31	0.06	-0.05	0.55		-0.42	-0.14	0.31	0.14	-0.14	-0.35	0.46		0.04	0.26	-0.24		
2019 Round 2			0.41	0.29	1.06		0.63	0.11	-0.04	0.46	0.34	-0.01	0.66				0.16		
2019 Round 3																			
2019 Round 4																			
2019 Round 5																			
2019 Round 6																			



AOF Test Check Program 2019 - Round 2

Collective Moisture

Mean Difference (Moisture NIR % - Moisture Reference %)																	
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	R	S
2018 Round 1			-0.51	-0.38	0.14		-0.43	-0.43	0.11	0.21	-0.51	0.10	-0.99		-0.44	-0.56	-0.29
2018 Round 2		-0.48	-0.21	-0.31	0.21		-0.33		0.14	-0.04	-0.36	0.32			-0.50	-0.52	-0.26
2018 Round 3		-0.44	-0.31	-0.45	0.12		-0.62	-0.60	0.41	-0.10	-0.58	0.89	-1.30		-0.62	-0.66	-0.36
2018 Round 4		-0.59	-0.53	-0.52	0.28		-0.80		0.26	-0.10	-0.52	0.83	-1.23		-0.67	-0.68	-0.42
2018 Round 5		-0.49	-0.50	-0.45	0.22		-0.47	-0.36	0.52	-0.58	-0.48	0.94	-1.20	-0.52	-0.49	-0.54	-0.25
2018 Round 6		-0.54	-0.50		0.17		-0.44	-0.40	0.39	-0.46	-0.45	0.00	-1.18	-0.35	-0.62	-0.43	-0.25
2019 Round 1		-0.47	-0.30	-0.38	0.32		-0.29	-0.31	0.47	-0.14	-0.53	0.66	-1.03		-0.35	-0.55	-0.30
2019 Round 2			-0.38	-0.52	0.25		-0.31	-0.35	0.32	-0.10	-0.42	0.52	-1.22				-0.18
2019 Round 3																	
2019 Round 4																	
2019 Round 5																	
2019 Round 6																	



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Appendix 1:

$$z = (x - X) / \hat{\sigma} \quad \text{..(19)}$$

where $\hat{\sigma}$ is the standard deviation for proficiency assessment.

NOTE ISO Guide 43 uses the symbol s for the standard deviation in the definition of the z-score. This is appropriate when this quantity is derived as the standard deviation of a number of results, but not in other cases (for example, when it is calculated from the results of a precision experiment, or by reference to a generalised linear model).

Interpretation of z-scores. When a participant reports a result that gives rise to a z-score above 3,0 or below -3,0 then the result shall be considered to give an “action signal”. Likewise, a z-score above 2,0 or below -2,0 shall be considered to give a “warning signal”. A single “action signal”, or “warning signals” in two successive rounds, shall be taken as evidence that an anomaly has occurred that requires investigation.

Reference : ISO 13528 statistical methods for use in proficiency testing by interlaboratory comparisons

AOF Test Check Program 2019 - Round 2

Appendix 2: Raw Data

Reporting Date	29/03/2019		Lab	A								
Parameter	Unit	Method	Result A	Result B	Average	Result A	Result B	Average	Result A	Result B	Average	
Test Weight	kg/hL		66.25	66.25	66.25	67.75	67.75	67.75	67.00	67.00	67.00	
Impurities	% by weight	AOF4-1.3	0.72	0.71	0.72	0.71	0.72	0.72	0.29	0.28	0.29	
Oil NIR (Clean Seed)	% by weight											
Oil Solvent (Clean Seed)	% by weight	Ball Mill (not corrected by moisture)	49.39	49.17	49.28	43.79	43.57	43.68	46.55	47.06	46.81	
Moisture Oven	% by weight		4.14	4.13	4.14	5.39	5.41	5.40	5.25	5.22	5.24	
Moisture NIR	% by weight											
Oleic Acid	% by weight	Methanolic KOH	59.56	59.64	59.60	61.64	61.47	61.56	64.77	64.80	64.79	
Linoleic Acid	% by weight	Methanolic KOH	22.50	22.49	22.50	21.49	21.65	21.57	16.07	16.10	16.09	
Linolenic Acid	% by weight	Methanolic KOH	9.87	9.91	9.89	8.60	8.62	8.61	10.60	10.56	10.58	
Free Fatty Acid	% by weight	AOCS Ac5-41	0.08	0.08	0.08	0.05	0.06	0.06	0.05	0.05	0.05	

Reporting Date			Lab	B								
Parameter	Unit	Method	Result A	Result B	Average	Result A	Result B	Average	Result A	Result B	Average	
Test Weight	kg/hL											
Impurities	% by weight											
Oil NIR (Clean Seed)	% by weight											
Oil Solvent (Clean Seed)	% by weight											
Moisture Oven	% by weight											
Moisture NIR	% by weight											
Oleic Acid	% by weight											
Linoleic Acid	% by weight											
Linolenic Acid	% by weight											
Free Fatty Acid	% by weight											

Reporting Date	18/03/2019		Lab	C								
Parameter	Unit	Method	Result A	Result B	Average	Result A	Result B	Average	Result A	Result B	Average	
Test Weight	kg/hL	weigh	67.42	66.94	67.18	68.84	69.40	69.12	67.41	67.54	67.48	
Impurities	% by weight	sieve & weigh	0.59	0.56	0.58	0.73	0.84	0.79	0.38	0.35	0.37	
Oil NIR (Clean Seed)	% by weight	NIR	48.80	49.00	48.90	43.50	43.80	43.65	46.90	46.30	46.60	
Oil Solvent (Clean Seed)	% by weight											
Moisture Oven	% by weight		3.98	3.61	3.80	5.40	4.80	5.10	4.83	5.06	4.95	
Moisture NIR	% by weight	NIR	3.9	3.6	3.8	5.0	4.7	4.9	5.3	5.0	5.2	
Oleic Acid	% by weight											
Linoleic Acid	% by weight											
Linolenic Acid	% by weight											
Free Fatty Acid	% by weight											

Reporting Date	31/03/2019		Lab	D								
Parameter	Unit	Method	Result A	Result B	Average	Result A	Result B	Average	Result A	Result B	Average	
Test Weight	kg/hL		70.00	69.50	69.8	67.50	67.50	67.5	66.50	66.50	66.5	
Impurities	% by weight		0.96	0.99	1.0	0.81	0.72	0.8	0.56	0.65	0.6	
Oil NIR (Clean Seed)	% by weight		48.30	48.40	48.4	44.20	44.20	44.2	46.40	46.10	46.3	
Oil Solvent (Clean Seed)	% by weight		48.24	48.30	48.3	41.91	41.61	41.8	41.92	41.97	41.9	
Moisture Oven	% by weight		4.03	3.95	4.0	5.25	5.32	5.3	5.14	5.05	5.1	
Moisture NIR	% by weight		3.70	3.60	3.7	4.70	4.60	4.7	5.10	5.00	5.1	
Oleic Acid	% by weight		60.31	60.40	60.4	66.90	67.01	67.0	66.31	66.10	66.2	
Linoleic Acid	% by weight		22.22	22.28	22.3	18.51	18.63	18.6	15.47	15.82	15.6	
Linolenic Acid	% by weight		9.04	9.02	9.0	5.47	5.49	5.5	9.44	9.57	9.5	
Free Fatty Acid	% by weight		0.15	0.16	0.16	0.25	0.27	0.26	0.12	0.15	0.14	

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Reporting Date	1/03/2019		Lab	E							
Parameter	Unit	Method	Result A	Result B	Average	Result A	Result B	Average	Result A	Result B	Average
Test Weight	kg/hL	Chondrometer	67.40	67.42	67.41	68.61	68.62	68.62	67.36	67.67	67.52
Impurities	% by weight	Aerovac	0.99	0.95	0.97	0.90	0.87	0.89	0.78	0.76	0.77
Oil NIR (Clean Seed)	% by weight	NIR	49.70	49.70	49.70	43.70	43.60	43.65	48.00	47.50	47.75
Oil Solvent (Clean Seed)	% by weight	ISO-659	50.09	50.08	50.09	43.87	43.89	43.88	47.00	46.93	46.97
Moisture Oven	% by weight	AOF method	4.3	4.4	4.4	5.5	5.5	5.5	5.4	5.4	5.4
Moisture NIR	% by weight	NIR	4.5	4.5	4.5	5.6	5.6	5.6	5.4	5.7	5.6
Oleic Acid	% by weight										
Linoleic Acid	% by weight										
Linolenic Acid	% by weight										
Free Fatty Acid	% by weight										

Reporting Date			Lab	F							
Parameter	Unit	Method	Result A	Result B	Average	Result A	Result B	Average	Result A	Result B	Average
Test Weight	kg/hL										
Impurities	% by weight										
Oil NIR (Clean Seed)	% by weight										
Oil Solvent (Clean Seed)	% by weight										
Moisture Oven	% by weight										
Moisture NIR	% by weight										
Oleic Acid	% by weight										
Linoleic Acid	% by weight										
Linolenic Acid	% by weight										
Free Fatty Acid	% by weight										

Reporting Date	31/03/2019		Lab	G							
Parameter	Unit	Method	Result A	Result B	Average	Result A	Result B	Average	Result A	Result B	Average
Test Weight	kg/hL		67.04	66.51	66.78	67.57	67.38	67.48	67.03	66.82	66.93
Impurities	% by weight		0.64	0.75	0.70	1.04	0.97	1.01	1.12	0.90	1.01
Oil NIR (Clean Seed)	% by weight	NIR	49.32	49.80	49.56	43.72	43.78	43.75	46.41	46.60	46.51
Oil Solvent (Clean Seed)	% by weight										
Moisture Oven	% by weight		4.31	4.25	4.28	5.52	5.61	5.57	5.47	5.47	5.47
Moisture NIR	% by weight	NIR	3.77	3.62	3.70	4.89	4.97	4.93	5.40	5.28	5.34
Oleic Acid	% by weight										
Linoleic Acid	% by weight										
Linolenic Acid	% by weight										
Free Fatty Acid	% by weight										

Reporting Date	4/03/2019		Lab	H							
Parameter	Unit	Method	Result A	Result B	Average	Result A	Result B	Average	Result A	Result B	Average
Test Weight	kg/hL		67.0	66.8	66.90	67.8	68.0	67.90	67.0	66.8	66.90
Impurities	% by weight		0.3	0.4	0.35	0.7	0.9	0.80	1.1	0.7	0.90
Oil NIR (Clean Seed)	% by weight		46.0	45.8	45.90	43.8	43.8	43.80	48.5	48.6	48.55
Oil Solvent (Clean Seed)	% by weight										
Moisture Oven	% by weight										
Moisture NIR	% by weight		5.20	5.10	5.15	5.00	5.00	5.00	3.70	3.70	3.70
Oleic Acid	% by weight										
Linoleic Acid	% by weight										
Linolenic Acid	% by weight										
Free Fatty Acid	% by weight										

AOF Test Check Program 2019 - Round 2

Reporting Date	14/03/2019		Lab	I								
				Sample 1			Sample 2			Sample 3		
Parameter	Unit	Method	Result A	Result B	Average	Result A	Result B	Average	Result A	Result B	Average	
Test Weight	kg/hL											
Impurities	% by weight											
Oil NIR (Clean Seed)	% by weight	Near-Infra Red (NIR)	47.80	47.80	47.80	43.10	43.20	43.15	47.00	46.70	46.85	
Oil Solvent (Clean Seed)	% by weight											
Moisture Oven	% by weight											
Moisture NIR	% by weight	Near-Infra Red (NIR)	4.60	4.60	4.60	5.60	5.70	5.65	5.70	5.50	5.60	
Oleic Acid	% by weight											
Linoleic Acid	% by weight											
Linolenic Acid	% by weight											
Free Fatty Acid	% by weight											

Reporting Date	14/03/2019		Lab	J								
				Sample 1			Sample 2			Sample 3		
Parameter	Unit	Method	Result A	Result B	Average	Result A	Result B	Average	Result A	Result B	Average	
Test Weight	kg/hL	Chondrometer	66.50	66.10	66.3	67.10	66.50	66.8	66.70	66.50	66.6	
Impurities	% by weight	AOF Quality Standard	0.60	0.60	0.6	0.70	0.70	0.7	0.80	0.80	0.8	
Oil NIR (Clean Seed)	% by weight	NIR	48.93	48.75	48.8	44.40	44.40	44.4	46.10	46.00	46.1	
Oil Solvent (Clean Seed)	% by weight	AOCS AM 2-93	49.15	48.97	49.1	44.20	44.30	44.3	46.70	46.70	46.7	
Moisture Oven	% by weight	AOAC 925.10	4.20	4.20	4.2	5.40	5.40	5.4	5.60	5.60	5.6	
Moisture NIR	% by weight	NIR	4.00	4.00	4.0	5.20	5.20	5.2	5.40	5.40	5.4	
Oleic Acid	% by weight											
Linoleic Acid	% by weight											
Linolenic Acid	% by weight											
Free Fatty Acid	% by weight	AOCS Ca 5a-40	0.17	0.16	0.17	0.10	0.09	0.10	0.10	0.11	0.11	

Reporting Date	3/01/2019		Lab	K								
				Sample 1			Sample 2			Sample 3		
Parameter	Unit	Method	Result A	Result B	Average	Result A	Result B	Average	Result A	Result B	Average	
Test Weight	kg/hL		67.40	67.20	67.3	68.00	67.80	67.9	67.20	67.80	67.5	
Impurities	% by weight	AOF 2a-86	1.15	0.60	0.88	0.86	0.65	0.76	0.84	0.80	0.8	
Oil NIR (Clean Seed)	% by weight	NIR	48.50	49.00	48.8	43.90	44.10	44.0	46.30	46.10	46.2	
Oil Solvent (Clean Seed)	% by weight											
Moisture Oven	% by weight											
Moisture NIR	% by weight	NIR	3.60	3.70	3.7	4.80	4.90	4.9	5.20	5.10	5.2	
Oleic Acid	% by weight											
Linoleic Acid	% by weight											
Linolenic Acid	% by weight											
Free Fatty Acid	% by weight											

Reporting Date	25/03/2019		Lab	L								
				Sample 1			Sample 2			Sample 3		
Parameter	Unit	Method	Result A	Result B	Average	Result A	Result B	Average	Result A	Result B	Average	
Test Weight	kg/hL	Chondrometer	66.83	66.90	66.87	67.46	67.52	67.49	66.59	66.55	66.57	
Impurities	% by weight	AOF 4 - 1.3	1.03	1.06	1.05	0.99	1.03	1.01	1.22	1.19	1.21	
Oil NIR (Clean Seed)	% by weight	Near-Infra Red (NIR)	48.07	48.09	48.08	43.22	43.43	43.33	46.18	46.78	46.48	
Oil Solvent (Clean Seed)	% by weight	N/A										
Moisture Oven	% by weight	AOF 4 - 1.5	4.24	4.24	4.24	5.43	5.42	5.43	5.47	5.47	5.47	
Moisture NIR	% by weight	Near-Infra Red (NIR)	4.77	4.86	4.82	6.51	6.31	6.41	5.37	5.12	5.25	
Oleic Acid	% by weight	N/A										
Linoleic Acid	% by weight	N/A										
Linolenic Acid	% by weight	N/A										
Free Fatty Acid	% by weight	N/A										

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Reporting Date	1/03/2019		Lab	M							
Parameter	Unit	Method	Sample 1			Sample 2			Sample 3		
			Result A	Result B	Average	Result A	Result B	Average	Result A	Result B	Average
Test Weight	kg/hL		66.41	66.33	66.37	67.20	67.18	67.19	66.33	66.46	66.40
Impurities	% by weight		0.80	0.77	0.79	1.01	0.73	0.87	0.63	0.82	0.73
Oil NIR (Clean Seed)	% by weight		48.80	49.10	48.95	44.60	44.80	44.70	46.60	45.90	46.25
Oil Solvent (Clean Seed)	% by weight		50.19	49.75	49.97	44.28	44.33	44.31	47.52	47.48	47.50
Moisture Oven	% by weight		4.21	4.22	4.22	5.37	5.38	5.38	5.37	5.35	5.36
Moisture NIR	% by weight		2.70	2.70	2.70	3.80	3.90	3.85	4.60	4.80	4.70
Oleic Acid	% by weight		58.66	58.71	58.69	60.71	60.72	60.72	64.26	64.24	64.25
Linoleic Acid	% by weight		22.79	22.80	22.80	21.78	21.78	21.78	16.22	16.21	16.22
Linolenic Acid	% by weight		9.99	9.96	9.98	8.71	8.70	8.71	10.55	10.54	10.55
Free Fatty Acid	% by weight		0.33	0.34	0.34	0.38	0.31	0.35	0.30	0.34	0.32

Reporting Date			Lab	N							
Parameter	Unit	Method	Sample 1			Sample 2			Sample 3		
			Result A	Result B	Average	Result A	Result B	Average	Result A	Result B	Average
Test Weight	kg/hL										
Impurities	% by weight										
Oil NIR (Clean Seed)	% by weight										
Oil Solvent (Clean Seed)	% by weight										
Moisture Oven	% by weight										
Moisture NIR	% by weight										
Oleic Acid	% by weight										
Linoleic Acid	% by weight										
Linolenic Acid	% by weight										
Free Fatty Acid	% by weight										

Reporting Date			Lab	O							
Parameter	Unit	Method	Sample 1			Sample 2			Sample 3		
			Result A	Result B	Average	Result A	Result B	Average	Result A	Result B	Average
Test Weight	kg/hL										
Impurities	% by weight	AOF 4-1.2									
Oil NIR (Clean Seed)	% by weight	NIR									
Oil Solvent (Clean Seed)	% by weight	AOF 4-1.5 FOSFA									
Moisture Oven	% by weight	AOF-1.5									
Moisture NIR	% by weight	NIR									
Oleic Acid	% by weight										
Linoleic Acid	% by weight										
Linolenic Acid	% by weight										
Free Fatty Acid	% by weight	AOF 4-2.19									

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Reporting Date			Lab	R							
			Sample 1			Sample 2			Sample 3		
Parameter	Unit	Method	Result A	Result B	Average	Result A	Result B	Average	Result A	Result B	Average
Test Weight	kg/hL	½ litre measure & electronic balance									
Impurities	% by weight	Hand sieve (3.0/1.0mm), aspirate & hand pick									
Oil NIR (Clean Seed)	% by weight	Infratec 1241 Serial No: 91724323									
Oil Solvent (Clean Seed)	% by weight										
Moisture Oven	% by weight	10g @ 130 oC for 1hr in duplicate (AOF method)									
Moisture NIR	% by weight	Infratec 1241 Serial No: 91724323									
Oleic Acid	% by weight										
Linoleic Acid	% by weight										
Linolenic Acid	% by weight										
Free Fatty Acid	% by weight										

Reporting Date	29/03/2019		Lab	S							
			Sample 1			Sample 2			Sample 3		
Parameter	Unit	Method	Result A	Result B	Average	Result A	Result B	Average	Result A	Result B	Average
Test Weight	kg/hL	TP 016	66.20	66.30	66.25	67.20	67.20	67.20	66.60	66.80	66.70
Impurities	% by weight	TP 052	0.10	0.08	0.09	0.22	0.23	0.23	0.61	0.60	0.61
Oil NIR (Clean Seed)	% by weight	TP 054	48.70	48.90	48.80	43.60	43.50	43.55	46.00	46.10	46.05
Oil Solvent (Clean Seed)	% by weight	TP 053	46.90	47.80	47.35	41.50	41.40	41.45	44.50	44.00	44.25
Moisture Oven	% by weight	TP 022	4.30	4.20	4.25	5.60	5.50	5.55	5.50	5.50	5.50
Moisture NIR	% by weight	TP 054	3.70	3.90	3.80	5.00	5.10	5.05	5.50	5.50	5.50
Oleic Acid	% by weight	TP 047	62.60	61.60	62.10	63.20	64.20	63.70	67.40	67.90	67.65
Linoleic Acid	% by weight	TP 047	22.30	22.70	22.50	21.70	21.40	21.55	16.00	15.80	15.90
Linolenic Acid	% by weight	TP 047	9.40	9.50	9.45	8.40	8.20	8.30	10.00	10.00	10.00
Free Fatty Acid	% by weight	TP 046	0.14	0.12	0.13	0.07	0.09	0.08	0.07	0.07	0.07