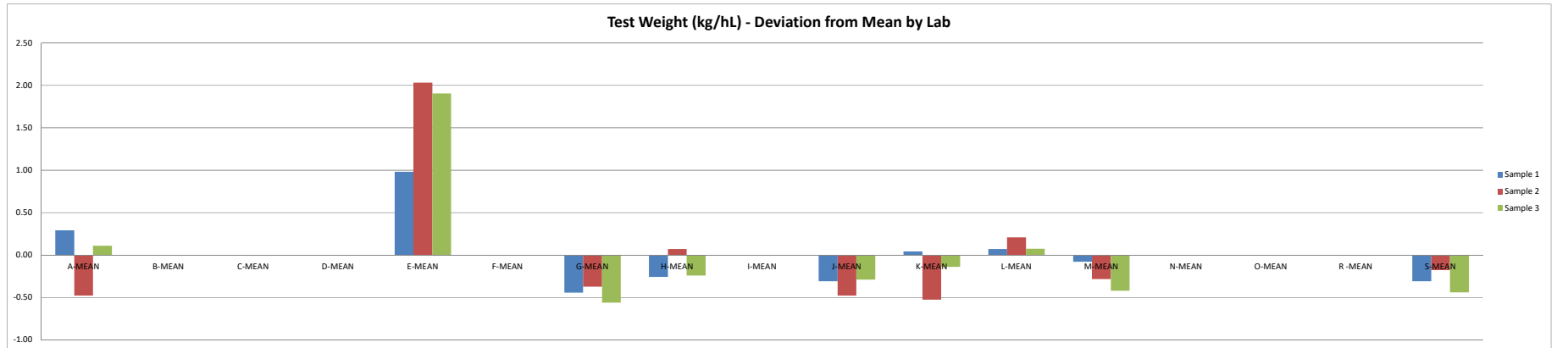


AOF Test Check Program 2019 - Round 4

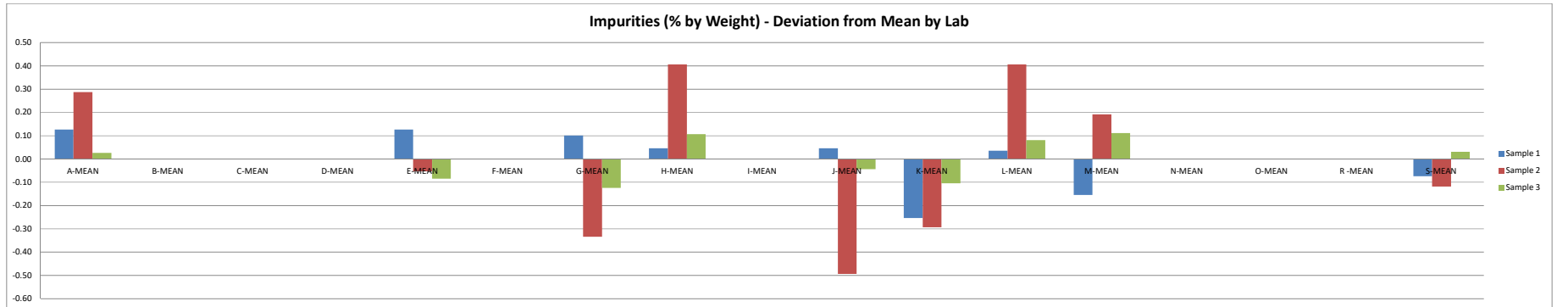
Test Weight (kg/hL)																																				
	A	A-MEAN	B	B-MEAN	C	C-MEAN	D	D-MEAN	E	E-MEAN	F	F-MEAN	G	G-MEAN	H	H-MEAN	I	I-MEAN	J	J-MEAN	K	K-MEAN	L	L-MEAN	M	M-MEAN	N	N-MEAN	O	O-MEAN	R	R-MEAN	S	S-MEAN	STDEV	MEAN
Sample 1	67.25	0.29						67.94	0.98				66.52	-0.44	66.70	-0.26			66.65	-0.31	67.00	0.04	67.03	0.07	66.88	-0.08							66.65	-0.31	0.44	66.96
Sample 2	66.25	-0.48						68.76	2.03				66.36	-0.37	66.80	0.07			66.25	-0.48	66.20	-0.53	66.94	0.21	66.445	-0.28							66.55	-0.18	0.80	66.73
Sample 3	69.25	0.11						71.05	1.90				68.58	-0.56	68.90	-0.24			68.85	-0.29	69.00	-0.14	69.22	0.07	68.72	-0.42							68.70	-0.44	0.75	69.14
Mean Absolute Difference		0.29							1.64					0.46		0.19				0.36		0.24		0.12		0.26								0.31		
Mean of Difference		-0.02							1.64					-0.46		0.19				-0.36		-0.21		0.12		-0.26								-0.31		



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	0.67				2.26			-1.02	-0.59		-0.71	0.10	0.17	-0.18				-0.71
Sample 2	-0.59				2.53			-0.46	0.09		-0.59	-0.66	0.26	-0.35				-0.22
Sample 3	0.15				2.54			-0.75	-0.32		-0.39	-0.19	0.10	-0.56				-0.59

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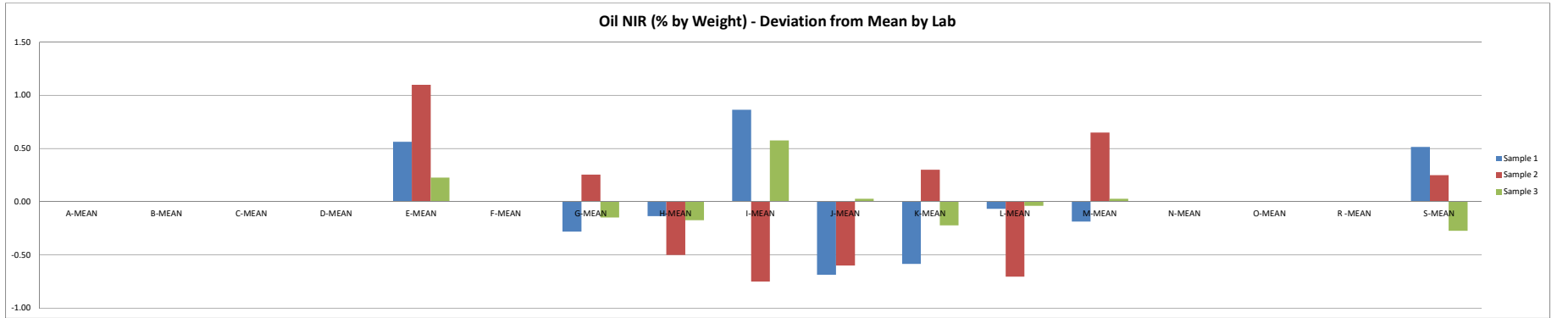
Impurities (% by Weight)																																							
	A	A-MEAN	B	B-MEAN	C	C-MEAN	D	D-MEAN	E	E-MEAN	F	F-MEAN	G	G-MEAN	H	H-MEAN	I	I-MEAN	J	J-MEAN	K	K-MEAN	L	L-MEAN	M	M-MEAN	N	N-MEAN	O	O-MEAN	R	R-MEAN	S	S-MEAN	STDEV	MEAN			
Sample 1		0.93	0.13						0.93	0.13				0.91	0.10	0.85	0.05			0.85	0.05	0.55	-0.25	0.84	0.04	0.65	-0.15							0.73	-0.07	0.13	0.80		
Sample 2		1.33	0.29						0.99	-0.05				0.71	-0.33	1.45	0.41			0.55	-0.49	0.75	-0.29	1.45	0.41	1.24	0.19									0.93	-0.12	0.34	1.04
Sample 3		0.82	0.03						0.71	-0.08				0.67	-0.12	0.90	0.11			0.75	-0.04	0.69	-0.10	0.88	0.08	0.91	0.11									0.83	0.03	0.09	0.79
Mean Absolute Difference			0.15							0.09					0.19	0.19				0.19	0.22		0.17		0.15										0.07				
Mean of Difference			0.15							0.00					-0.12	0.19				-0.16	-0.22		0.17		0.05										-0.05				



Impurities (% by Weight) Z - score																	
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	R	S
Sample 1	0.95				0.95		0.76	0.35		0.35	-1.91	0.27	-1.16				-0.56
Sample 2	0.85				-0.16		-0.99	1.21		-1.47	-0.87	1.21	0.57				-0.35
Sample 3	0.29				-0.92		-1.35	1.16		-0.48	-1.14	0.89	1.21				0.34

AOF Test Check Program 2019 - Round 4

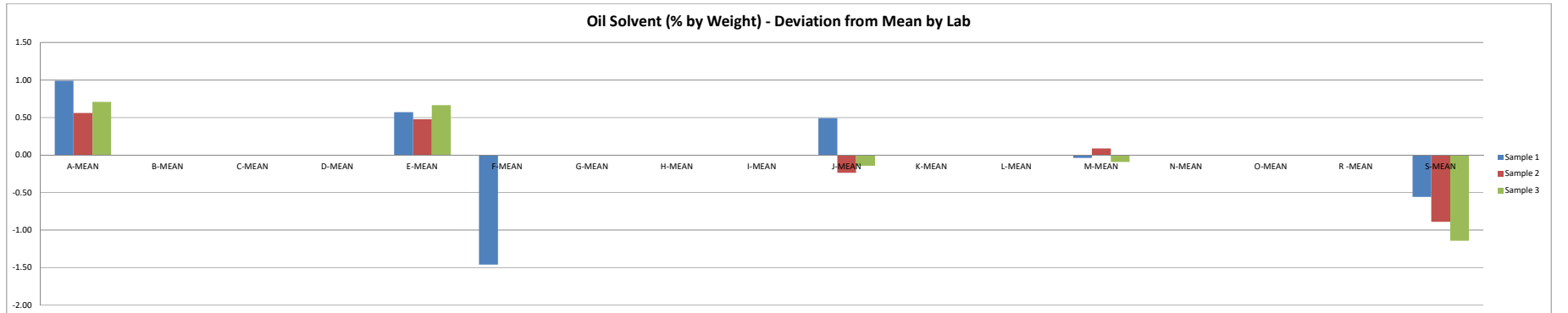
Oil NIR (% by Weight)																																					
	A	A-MEAN	B	B-MEAN	C	C-MEAN	D	D-MEAN	E	E-MEAN	F	F-MEAN	G	G-MEAN	H	H-MEAN	I	I-MEAN	J	J-MEAN	K	K-MEAN	L	L-MEAN	M	M-MEAN	N	N-MEAN	O	O-MEAN	R	R-MEAN	S	S-MEAN	STDEV	MEAN	
Sample 1									47.45	0.56			46.61	-0.28	46.75	-0.14	47.75	0.86	46.20	-0.69	46.30	-0.59	46.82	-0.07	46.70	-0.19								47.40	0.51	0.53	46.89
Sample 2									49.80	1.10			48.96	0.25	48.20	-0.50	47.95	-0.75	48.10	-0.60	49.00	0.30	48.00	-0.71	49.35	0.65								48.95	0.25	0.66	48.70
Sample 3									44.55	0.23			44.18	-0.15	44.15	-0.17	44.90	0.58	44.35	0.03	44.10	-0.22	44.29	-0.04	44.35	0.03							44.05	-0.27	0.27	44.32	
Mean Absolute Difference										0.63				0.23		0.27		0.73		0.44		0.37		0.27		0.29							0.35				
Mean of Difference										0.63				-0.06		-0.27		0.23		-0.42		-0.17		-0.27		0.16							0.16				



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					1.06		-0.53	-0.26	1.62	-1.29	-1.10	-0.12	-0.35				0.96
Sample 2					1.66		0.38	-0.75	-1.13	-0.90	0.45	-1.06	0.98				0.38
Sample 3					0.85		-0.56	-0.65	2.17	0.10	-0.84	-0.14	0.10				-1.03

AOF Test Check Program 2019 - Round 4

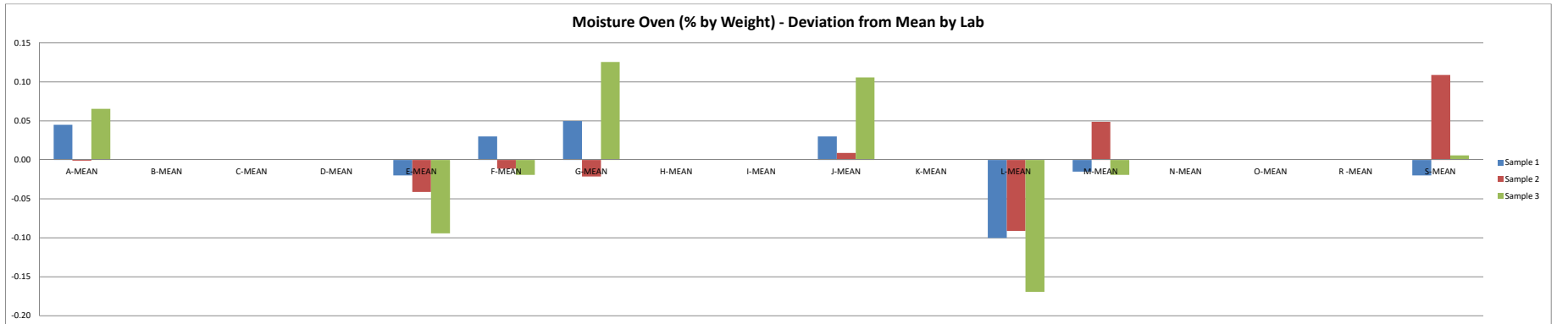
Oil Solvent (% by Weight)																																				
	A	A-MEAN	B	B-MEAN	C	C-MEAN	D	D-MEAN	E	E-MEAN	F	F-MEAN	G	G-MEAN	H	H-MEAN	I	I-MEAN	J	J-MEAN	K	K-MEAN	L	L-MEAN	M	M-MEAN	N	N-MEAN	O	O-MEAN	R	R-MEAN	S	S-MEAN	STDEV	MEAN
Sample 1		47.10	0.99						46.68	0.57	44.65	-1.46							46.60	0.49					46.07	-0.04							45.55	-0.56	0.89	46.11
Sample 2		49.35	0.56						49.27	0.48									48.55	-0.24					48.88	0.09							47.90	-0.89	0.59	48.79
Sample 3		44.55	0.71						44.51	0.66									43.70	-0.14					43.75	-0.09							42.70	-1.14	0.75	43.84
Mean Absolute Difference			0.75							0.57										0.29						0.07								0.86		
Mean of Difference										0.57										0.04														-0.86		



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	1.11				0.64	-1.63					0.55			-0.04			-0.62
Sample 2	0.95				0.81						-0.40			0.15			-1.50
Sample 3	0.94				0.88						-0.19			-0.12			-1.51

AOF Test Check Program 2019 - Round 4

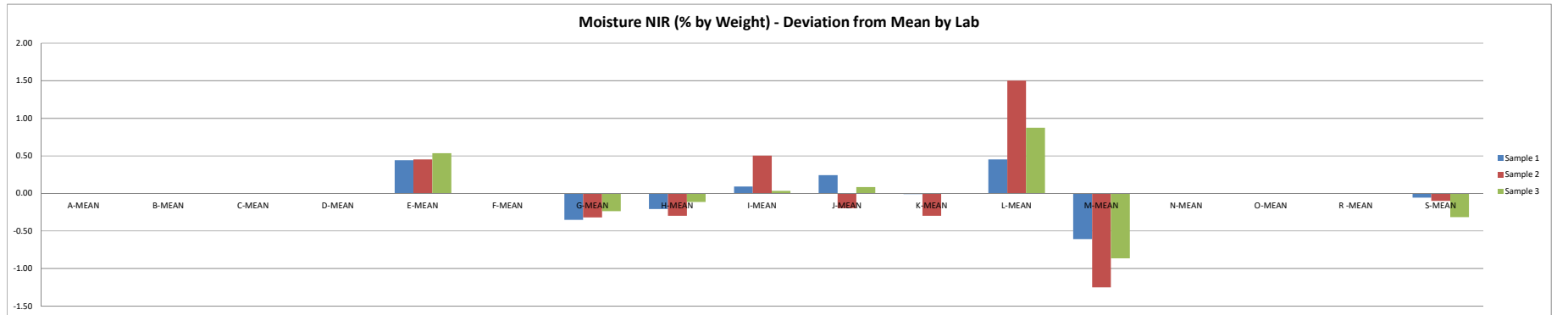
Moisture Oven (% by Weight)																																				
	A	A-MEAN	B	B-MEAN	C	C-MEAN	D	D-MEAN	E	E-MEAN	F	F-MEAN	G	G-MEAN	H	H-MEAN	I	I-MEAN	J	J-MEAN	K	K-MEAN	L	L-MEAN	M	M-MEAN	N	N-MEAN	O	O-MEAN	R	R-MEAN	S	S-MEAN	STDEV	MEAN
Sample 1	5.42	0.04							5.35	-0.02	5.40	0.03	5.42	0.05					5.40	0.03			5.27	-0.10	5.36	-0.01							5.35	-0.02	0.05	5.37
Sample 2	4.34	0.00						4.30	-0.04	4.33	-0.01	4.32	-0.02					4.35	0.01			4.25	-0.09	4.39	0.05							4.45	0.11	0.06	4.34	
Sample 3	6.76	0.07						6.60	-0.09	6.68	-0.02	6.82	0.13					6.80	0.11			6.53	-0.17	6.68	-0.02						6.70	0.01	0.10	6.69		
Mean Absolute Difference		0.04								0.05		0.02		0.07						0.05			0.12		0.03								0.04			
Mean of Difference		0.04								-0.05		0.00		0.05						0.05			-0.12		0.00								0.03			



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	0.90				-0.40	0.60	1.00			0.60		-2.01	-0.30				-0.40
Sample 2	-0.02				-0.69	-0.19	-0.36			0.15		-1.53	0.82				1.82
Sample 3	0.66				-0.95	-0.19	1.26			1.06		-1.70	-0.19				0.06

AOF Test Check Program 2019 - Round 4

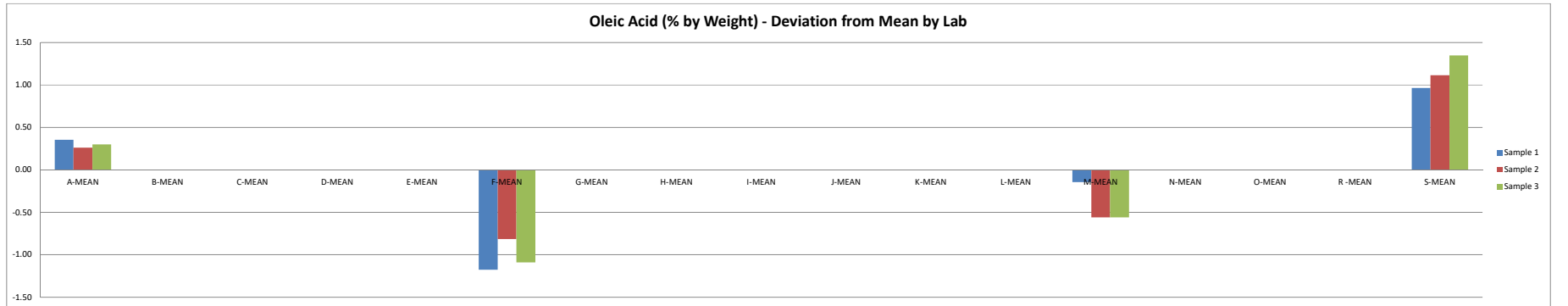
Moisture NIR (% by Weight)																																				
	A	A-MEAN	B	B-MEAN	C	C-MEAN	D	D-MEAN	E	E-MEAN	F	F-MEAN	G	G-MEAN	H	H-MEAN	I	I-MEAN	J	J-MEAN	K	K-MEAN	L	L-MEAN	M	M-MEAN	N	N-MEAN	O	O-MEAN	R	R-MEAN	S	S-MEAN	STDEV	MEAN
Sample 1									5.55	0.44			4.76	-0.35	4.90	-0.21	5.20	0.09	5.35	0.24	5.10	-0.01	5.56	0.45	4.50	-0.61							5.05	-0.06	0.35	5.11
Sample 2									4.45	0.45			3.68	-0.32	3.70	-0.30	4.50	0.50	3.80	-0.20	3.70	-0.30	5.50	1.50	2.75	-1.25							3.90	-0.10	0.76	4.00
Sample 3									6.90	0.54			6.13	-0.24	6.25	-0.12	6.40	0.04	6.45	0.09			7.24	0.88	5.50	-0.87							6.05	-0.32	0.53	6.37
Mean Absolute Difference										0.48				0.30		0.21		0.21		0.18				0.94		0.91								0.16		
Mean of Difference										0.48				-0.30		-0.21		0.21		0.04				0.94		-0.91								-0.16		



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					1.25		-0.99	-0.58	0.26	0.68	-0.02	1.28	-1.71					-0.16
Sample 2					0.60		-0.42	-0.39	0.66	-0.26	-0.39	1.98	-1.65					-0.13
Sample 3					1.01		-0.44	-0.22	0.07	0.16		1.65	-1.63					-0.59

AOF Test Check Program 2019 - Round 4

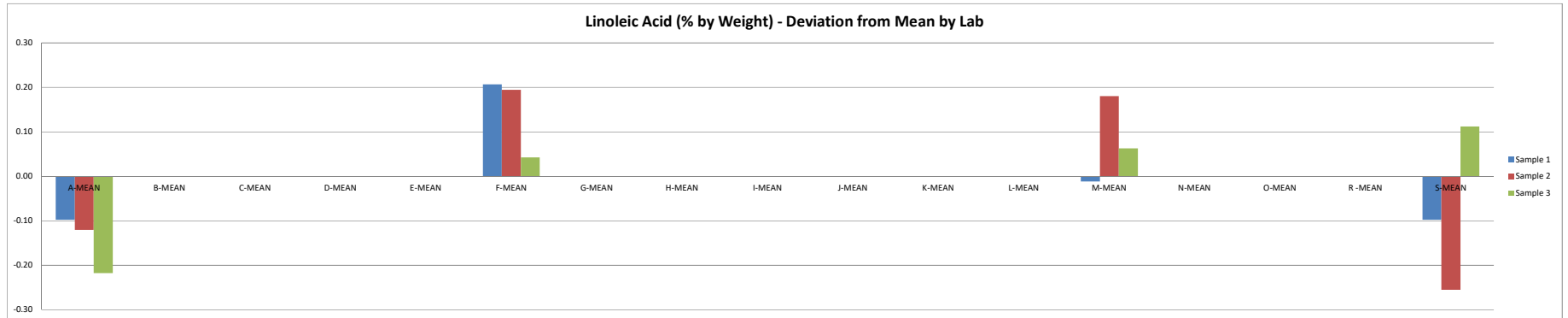
Oleic Acid (% by Weight)																																					
	A	A-MEAN	B	B-MEAN	C	C-MEAN	D	D-MEAN	E	E-MEAN	F	F-MEAN	G	G-MEAN	H	H-MEAN	I	I-MEAN	J	J-MEAN	K	K-MEAN	L	L-MEAN	M	M-MEAN	N	N-MEAN	O	O-MEAN	R	R-MEAN	S	S-MEAN	STDEV	MEAN	
Sample 1	64.84	0.36									63.31	-1.17													64.34	-0.15							65.45	0.97	0.91	64.48	
Sample 2	59.50	0.26									58.42	-0.82													58.68	-0.56							60.35	1.11	0.87	59.24	
Sample 3	60.36	0.30									58.97	-1.09													59.49	-0.56							61.40	1.35	1.07	60.05	
Mean Absolute Difference		0.31										1.03																						1.14			
Mean of Difference												-1.03																							1.14		



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	0.39					-1.30							-0.16				1.07
Sample 2	0.30					-0.93							-0.64				1.27
Sample 3	0.28					-1.02							-0.53				1.26

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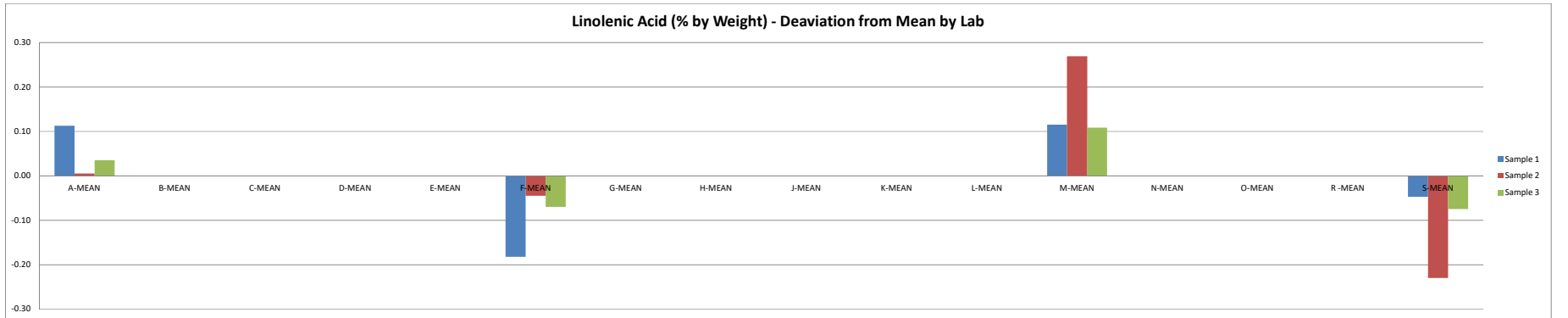
Linoleic Acid (% by Weight)																																				
	A	A-MEAN	B	B-MEAN	C	C-MEAN	D	D-MEAN	E	E-MEAN	F	F-MEAN	G	G-MEAN	H	H-MEAN	I	I-MEAN	J	J-MEAN	K	K-MEAN	L	L-MEAN	M	M-MEAN	N	N-MEAN	O	O-MEAN	R	R-MEAN	S	S-MEAN	STDEV	MEAN
Sample 1	16.00	-0.10									16.31	0.21												16.09	-0.01								16.00	-0.10	0.14	16.10
Sample 2	22.44	-0.12									22.75	0.19												22.74	0.18								22.30	-0.26	0.22	22.56
Sample 3	22.67	-0.22									22.93	0.04												22.95	0.06								23.00	0.11	0.15	22.89
Mean Absolute Difference		0.15										0.15													0.08									0.16		
Mean of Difference		-0.15											0.15													0.08								-0.08		



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	-0.68					1.44							-0.08				-0.68
Sample 2	-0.54					0.87							0.81				-1.14
Sample 3	-1.47					0.29							0.42				0.76

AOF Test Check Program 2019 - Round 4

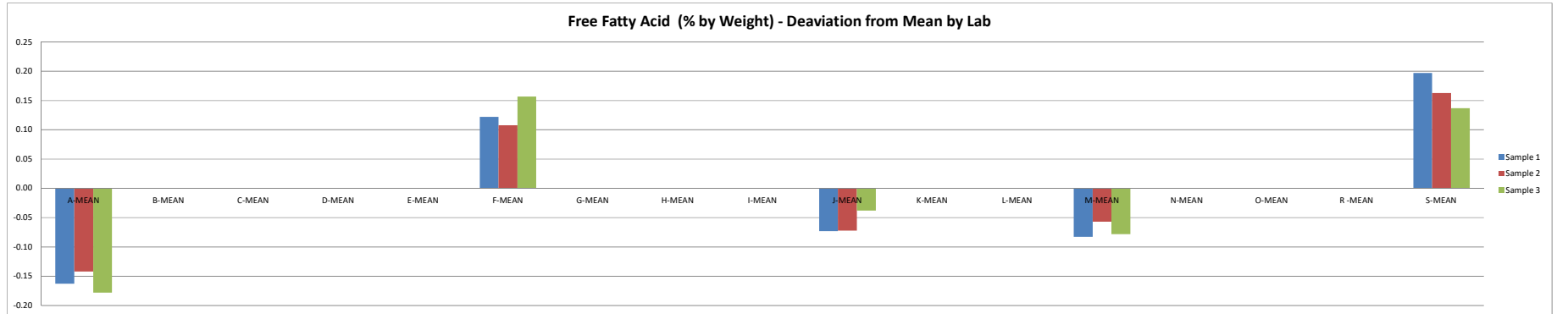
Linolenic Acid (% by Weight)																																					
	A	A-MEAN	B	B-MEAN	C	C-MEAN	D	D-MEAN	E	E-MEAN	F	F-MEAN	G	G-MEAN	H	H-MEAN	I	I-MEAN	J	J-MEAN	K	K-MEAN	L	L-MEAN	M	M-MEAN	N	N-MEAN	O	O-MEAN	R	R-MEAN	S	S-MEAN	STDEV	MEAN	
Sample 1		10.56	0.11								10.27	-0.18												10.56	0.12									10.40	-0.05	0.14	10.45
Sample 2		9.89	0.01								9.84	-0.04												10.15	0.27								9.65	-0.23	0.21	9.88	
Sample 3		8.41	0.04								8.31	-0.07												8.48	0.11							8.30	-0.07	0.09	8.37		
Mean Absolute Difference			0.05									0.10													0.16								0.12				
Mean of Difference			0.05									-0.10													0.16								-0.12				



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	0.79					-1.27							0.81				-0.33
Sample 2	0.02					-0.22							1.31				-1.11
Sample 3	0.40					-0.79							1.23				-0.84

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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		0.05	-0.16								0.34	0.12							0.14	-0.07					0.13	-0.08							0.41	0.20	0.15	0.21
Sample 2		0.08	-0.14								0.33	0.11							0.15	-0.07					0.17	-0.06							0.39	0.16	0.13	0.22
Sample 3		0.09	-0.18								0.43	0.16							0.23	-0.04					0.19	-0.08							0.41	0.14	0.14	0.27
Mean Absolute Difference			0.16									0.13								0.06						0.07								0.17		
Mean of Difference			-0.16									0.13								-0.06						-0.07								0.17		



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	-1.07					0.80				-0.48			-0.55				1.30
Sample 2	-1.10					0.84				-0.56			-0.44				1.26
Sample 3	-1.24					1.09				-0.26			-0.54				0.95

AOF Test Check Program 2019 - Round 4

2019 - Round 4

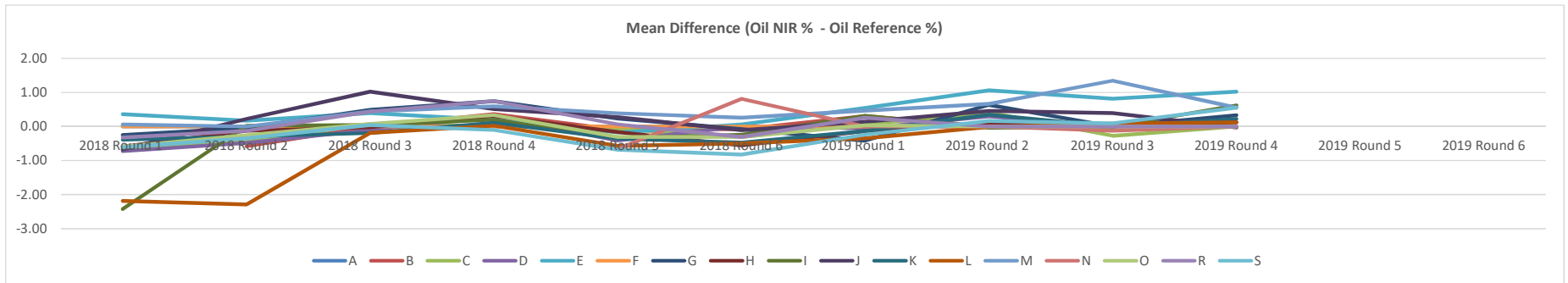
Oil % (NIR) - Oil % (Mean Reference)																	
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	R	S
Sample 1					1.34		0.50	0.64	1.64	0.09	0.19	0.71	0.59				1.29
Sample 2					1.01		0.17	-0.59	-0.84	-0.69	0.21	-0.79	0.56				0.16
Sample 3					0.71		0.33	0.31	1.06	0.51	0.26	0.44	0.51				0.21
Average					1.02		0.33	0.12	0.62	-0.03	0.22	0.12	0.55				0.55

Moisture % (NIR) - Moisture % (Mean Reference)																	
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	R	S
Sample 1					0.18		-0.62	-0.47	-0.17	-0.02	-0.27	0.19	-0.87				-0.32
Sample 2					0.11		-0.66	-0.64	0.16	-0.54	-0.64	1.16	-1.59				-0.44
Sample 3					0.21		-0.56	-0.44	-0.29	-0.24		0.55	-1.19				-0.64
Average					0.16		-0.61	-0.52	-0.10	-0.27		0.63	-1.22				-0.47

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Collective Oil

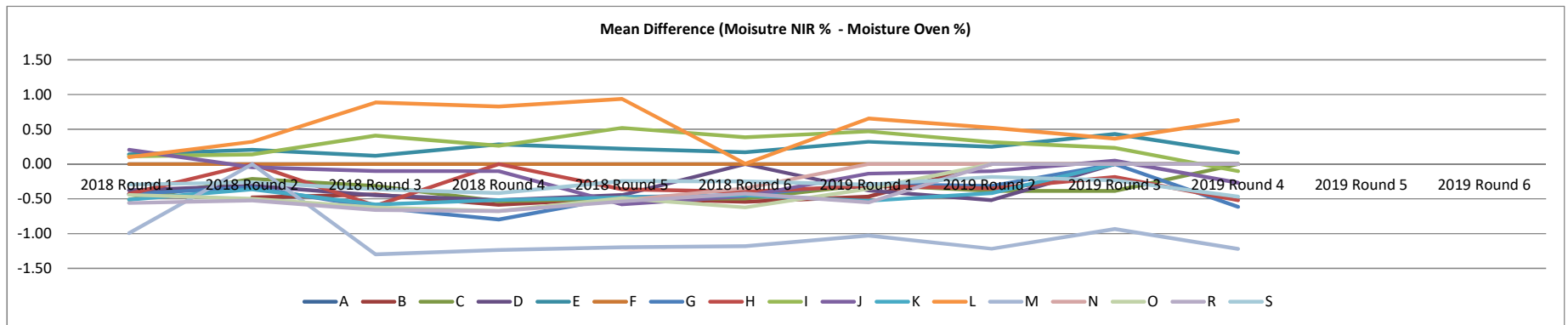
Mean Difference (Oil NIR % - Oil Reference %)																			
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	R	S		
2018 Round 1			-0.64	-0.72	0.36		-0.25	-0.59	-2.42	-0.67	-0.39	-2.18	0.06			-0.59	-0.32	-0.61	
2018 Round 2		-0.58	-0.45	-0.48	0.17		-0.04	-0.13	0.02	0.22	-0.30	-2.29				-0.26	-0.13	-0.35	
2018 Round 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			-0.27		0.81			0.05	0.00	0.40		0.08	1.35	-0.12			0.10		
2019 Round 4					1.02		0.33	0.12	0.62	-0.03	0.22	0.12	0.55				0.55		
2019 Round 5																			
2019 Round 6																			



AOF Test Check Program 2019 - Round 4

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			-0.38		0.43			-0.18	0.23	0.05		0.37	-0.93				-0.23
2019 Round 4					0.16		-0.61	-0.52	-0.10	-0.27		0.63	-1.22				-0.47
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 4

Appendix 2: Raw Data

Reporting Date			Lab	A								
				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		67.25	67.25	67.25	66.25	66.25	66.25	69.25	69.25	69.25	
Impurities	% by weight	AOF4-1.3	0.95	0.91	0.93	1.35	1.31	1.33	0.82	0.82	0.82	
Oil NIR (Clean Seed)	% by weight											
Oil Solvent (Clean Seed)	% by weight	Ball Mill (not corrected by moisture)	46.90	47.30	47.10	49.30	49.40	49.35	44.50	44.60	44.55	
Moisture Oven	% by weight		5.42	5.41	5.42	4.35	4.33	4.34	6.75	6.77	6.76	
Moisture NIR	% by weight											
Oleic Acid	% by weight	Methanolic KOH	64.87	64.81	64.84	59.46	59.54	59.50	60.29	60.42	60.36	
Linoleic Acid	% by weight	Methanolic KOH	16.03	15.97	16.00	22.47	22.40	22.44	22.69	22.65	22.67	
Linolenic Acid	% by weight	Methanolic KOH	10.56	10.56	10.56	9.88	9.89	9.89	8.43	8.39	8.41	
Free Fatty Acid	% by weight	AOCS Ac5-41	0.05	0.05	0.05	0.08	0.08	0.08	0.09	0.09	0.09	

Reporting Date			Lab	B								
				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											
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	C								
				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	weigh										
Impurities	% by weight	sieve & weigh										
Oil NIR (Clean Seed)	% by weight	NIR										
Oil Solvent (Clean Seed)	% by weight											
Moisture Oven	% by weight											
Moisture NIR	% by weight	NIR										
Oleic Acid	% by weight											
Linoleic Acid	% by weight											
Linolenic Acid	% by weight											
Free Fatty Acid	% by weight											

Reporting Date			Lab	D								
				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											
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											

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Reporting Date	12/07/2019		Lab	E								
				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	67.90	67.98	67.94	68.55	68.97	68.76	70.87	71.22	71.05	
Impurities	% by weight	Aerovac	0.89	0.97	0.93	0.96	1.02	0.99	0.72	0.70	0.71	
Oil NIR (Clean Seed)	% by weight	NIR	47.60	47.30	47.45	49.90	49.70	49.80	44.50	44.60	44.55	
Oil Solvent (Clean Seed)	% by weight	ISO-659	46.63	46.73	46.68	49.22	49.31	49.27	44.43	44.58	44.51	
Moisture Oven	% by weight	AOF method	5.30	5.40	5.4	4.30	4.30	4.3	6.60	6.60	6.6	
Moisture NIR	% by weight	NIR	5.50	5.60	5.6	4.50	4.40	4.5	6.90	6.90	6.9	
Oleic Acid	% by weight											
Linoleic Acid	% by weight											
Linolenic Acid	% by weight											
Free Fatty Acid	% by weight											

Reporting Date	19/07/2019		Lab	F								
				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											
Oil Solvent (Clean Seed)	% by weight	AOF 4-1.24a	44.87	44.43	44.65							
Moisture Oven	% by weight	AOF 4-1.5	5.41	5.39	5.40	4.33	4.33	4.33	6.68	6.67	6.68	
Moisture NIR	% by weight											
Oleic Acid	% by weight	AOF 4-1.21	63.27	63.35	63.31	58.44	58.40	58.42	58.88	59.05	58.97	
Linoleic Acid	% by weight	AOF 4-1.21	16.26	16.35	16.31	22.74	22.76	22.75	23.04	22.82	22.93	
Linolenic Acid	% by weight	AOF 4-1.21	10.27	10.26	10.27	9.82	9.85	9.84	8.31	8.30	8.31	
Free Fatty Acid	% by weight	AOF 4-2.19	0.35	0.32	0.34	0.33	0.33	0.33	0.45	0.40	0.43	

Reporting Date	29/07/2019		Lab	G								
				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		66.45	66.58	66.52	66.31	66.40	66.36	68.61	68.55	68.58	
Impurities	% by weight		1.01	0.80	0.91	0.77	0.65	0.71	0.64	0.70	0.67	
Oil NIR (Clean Seed)	% by weight	NIR	46.59	46.62	46.61	48.80	49.11	48.96	43.98	44.37	44.18	
Oil Solvent (Clean Seed)	% by weight											
Moisture Oven	% by weight		5.41	5.43	5.42	4.32	4.32	4.32	6.77	6.87	6.82	
Moisture NIR	% by weight	NIR	4.62	4.89	4.76	3.66	3.70	3.68	6.09	6.17	6.13	
Oleic Acid	% by weight											
Linoleic Acid	% by weight											
Linolenic Acid	% by weight											
Free Fatty Acid	% by weight											

Reporting Date	2/07/2019		Lab	H								
				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		66.80	66.60	66.70	66.80	66.80	66.80	69.00	68.80	68.90	
Impurities	% by weight		0.90	0.80	0.85	1.50	1.40	1.45	0.80	1.00	0.90	
Oil NIR (Clean Seed)	% by weight		46.80	46.70	46.75	48.10	48.30	48.20	44.20	44.10	44.15	
Oil Solvent (Clean Seed)	% by weight											
Moisture Oven	% by weight											
Moisture NIR	% by weight		4.60	5.20	4.90	3.70	3.70	3.70	6.20	6.30	6.25	
Oleic Acid	% by weight											
Linoleic Acid	% by weight											
Linolenic Acid	% by weight											
Free Fatty Acid	% by weight											

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Reporting Date	23/07/2019		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)	47.70	47.80	47.75	48.00	47.90	47.95	44.80	45.00	44.90
Oil Solvent (Clean Seed)	% by weight										
Moisture Oven	% by weight										
Moisture NIR	% by weight	Near-Infra Red (NIR)	5.20	5.20	5.20	4.50	4.50	4.50	6.40	6.40	6.40
Oleic Acid	% by weight										
Linoleic Acid	% by weight										
Linolenic Acid	% by weight										
Free Fatty Acid	% by weight										

Reporting Date	12/07/2019		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	66.60	66.70	66.7	66.20	66.30	66.3	68.80	68.90	68.9
Impurities	% by weight	AOF Quality Standard	0.90	0.80	0.9	0.60	0.50	0.6	0.70	0.80	0.8
Oil NIR (Clean Seed)	% by weight	NIR	46.20	46.20	46.2	47.90	48.30	48.1	44.40	44.30	44.4
Oil Solvent (Clean Seed)	% by weight	AOCS AM 2-93	47.00	46.20	46.6	48.90	48.20	48.6	43.70	43.70	43.7
Moisture Oven	% by weight	AOAC 925.10	5.50	5.30	5.4	4.40	4.30	4.4	6.80	6.80	6.8
Moisture NIR	% by weight	NIR	5.30	5.40	5.4	3.70	3.90	3.8	6.40	6.50	6.5
Oleic Acid	% by weight										
Linoleic Acid	% by weight										
Linolenic Acid	% by weight										
Free Fatty Acid	% by weight	AOCS Ca 5a-40	0.14	0.14	0.14	0.15	0.15	0.15	0.23	0.23	0.23

Reporting Date	31/07/2019		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		67.00	67.00	67.0	66.20	66.20	66.2	69.00	69.00	69.0
Impurities	% by weight	AOF 2a-86	0.55	0.55	0.55	0.75	0.75	0.75	0.69	0.69	0.7
Oil NIR (Clean Seed)	% by weight	NIR	46.30	46.30	46.3	49.00	49.00	49.0	44.10	44.10	44.1
Oil Solvent (Clean Seed)	% by weight										
Moisture Oven	% by weight										
Moisture NIR	% by weight	NIR	5.10	5.10	5.1	3.70	3.70	3.7			
Oleic Acid	% by weight										
Linoleic Acid	% by weight										
Linolenic Acid	% by weight										
Free Fatty Acid	% by weight										

Reporting Date	29/07/2019		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	67.02	67.04	67.03	66.92	66.95	66.94	69.22	69.21	69.22
Impurities	% by weight	AOF 4 - 1.3	0.85	0.83	0.84	1.45	1.45	1.45	0.90	0.85	0.88
Oil NIR (Clean Seed)	% by weight	Near-Infra Red (NIR)	46.81	46.83	46.82	48.01	47.98	48.00	44.51	44.06	44.29
Oil Solvent (Clean Seed)	% by weight	N/A									
Moisture Oven	% by weight	N/A	5.27	5.27	5.27	4.24	4.26	4.25	6.52	6.53	6.53
Moisture NIR	% by weight	AOF 4 - 1.5	5.51	5.61	5.56	5.52	5.48	5.50	7.25	7.23	7.24
Oleic Acid	% by weight	Near-Infra Red (NIR)									
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	1/07/2019		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		66.84	66.92	66.88	66.42	66.47	66.45	68.64	68.80	68.72	
Impurities	% by weight		0.62	0.68	0.65	1.22	1.25	1.24	0.93	0.88	0.91	
Oil NIR (Clean Seed)	% by weight		46.70	46.70	46.70	49.40	49.30	49.35	44.40	44.30	44.35	
Oil Solvent (Clean Seed)	% by weight		45.60	46.54	46.07	48.89	48.86	48.88	43.76	43.74	43.75	
Moisture Oven	% by weight		5.37	5.34	5.36	4.42	4.36	4.39	6.67	6.68	6.68	
Moisture NIR	% by weight		4.40	4.60	4.50	2.70	2.80	2.75	5.50	5.50	5.50	
Oleic Acid	% by weight		64.33	64.35	64.34	58.65	58.70	58.68	59.52	59.47	59.49	
Linoleic Acid	% by weight		16.09	16.09	16.09	22.75	22.73	22.74	22.97	22.93	22.95	
Linolenic Acid	% by weight		10.56	10.56	10.56	10.14	10.16	10.15	8.47	8.49	8.48	
Free Fatty Acid	% by weight		0.13	0.13	0.13	0.18	0.15	0.17	0.20	0.18	0.19	

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								1/			
Impurities	% by weight											
Oil NIR (Clean Seed)	% by weight	NIR										
Oil Solvent (Clean Seed)	% by weight											
Moisture Oven	% by weight											
Moisture NIR	% by weight	NIR										
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	31/07/2019		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	66.80	66.50	66.65	66.50	66.60	66.55	68.70	68.70	68.70
Impurities	% by weight	TP/052	0.71	0.75	0.73	0.95	0.90	0.93	0.77	0.88	0.83
Oil NIR (Clean Seed)	% by weight	TP/054	47.50	47.30	47.40	49.00	48.90	48.95	44.00	44.10	44.05
Oil Solvent (Clean Seed)	% by weight	TP/053	45.60	45.50	45.55	48.10	47.70	47.90	42.70	42.70	42.70
Moisture Oven	% by weight	TP/022	5.40	5.30	5.35	4.50	4.40	4.45	6.70	6.70	6.70
Moisture NIR	% by weight	TP/054	5.00	5.10	5.05	3.90	3.90	3.90	6.10	6.00	6.05
Oleic Acid	% by weight	TP/047	65.40	65.50	65.45	60.50	60.20	60.35	61.00	61.80	61.40
Linoleic Acid	% by weight	TP/047	16.00	16.00	16.00	22.20	22.40	22.30	22.70	23.30	23.00
Linolenic Acid	% by weight	TP/047	10.40	10.40	10.40	9.60	9.70	9.65	8.20	8.40	8.30
Free Fatty Acid	% by weight	TP/046	0.41	0.41	0.41	0.41	0.36	0.39	0.43	0.38	0.41