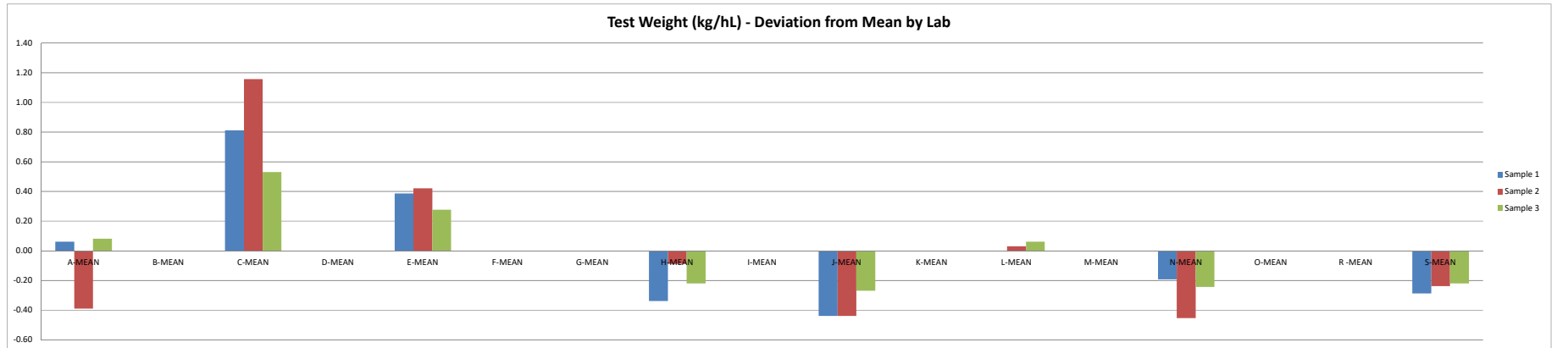


AOF Test Check Program 2019 - Round 3

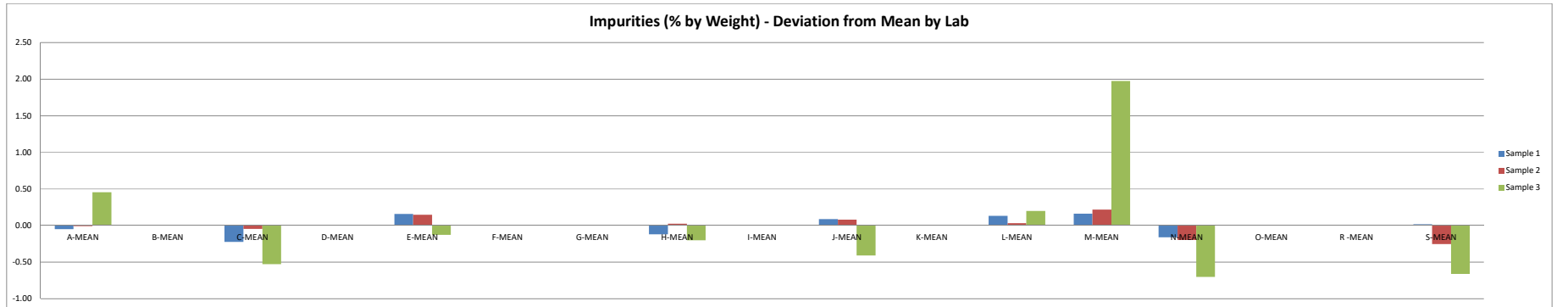
Test Weight (kg/hL)																																				
	A	A-MEAN	B	B-MEAN	C	C-MEAN	D	D-MEAN	E	E-MEAN	F	F-MEAN	G	G-MEAN	H	H-MEAN	I	I-MEAN	J	J-MEAN	K	K-MEAN	L	L-MEAN	M	M-MEAN	N	N-MEAN	O	O-MEAN	R	R-MEAN	S	S-MEAN	STDEV	MEAN
Sample 1	67.00	0.06			67.75	0.81			67.33	0.39					66.60	-0.34			66.50	-0.44			66.94	0.00			66.75	-0.19					66.65	-0.29	0.42	66.94
Sample 2	69.00	-0.39			70.55	1.16			69.81	0.42					69.30	-0.09			68.95	-0.44			69.42	0.03			68.94	-0.45					69.15	-0.24	0.55	69.39
Sample 3	67.50	0.08			67.95	0.53			67.70	0.28					67.20	-0.22			67.15	-0.27			67.48	0.06			67.18	-0.24					67.20	-0.22	0.29	67.42
Mean Absolute Difference		0.18				0.83				0.36						0.22				0.38				0.03				0.30						0.25		
Mean of Difference		-0.08								0.36						-0.22				-0.38				0.03				-0.30						-0.25		



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	0.15		1.93		0.92				-0.80		-1.04		-0.01		-0.46		-0.68
Sample 2	-0.70		2.10		0.76				-0.16		-0.80		0.06		-0.82		-0.43
Sample 3	0.28		1.82		0.95				-0.75		-0.92		0.21		-0.84		-0.75

AOF Test Check Program 2019 - Round 3

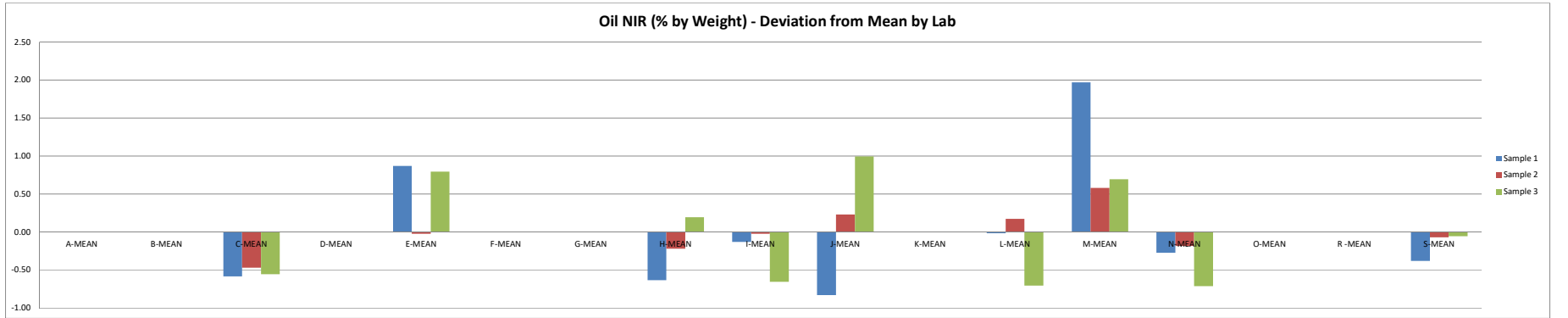
Impurities (% by Weight)																																				
	A	A-MEAN	B	B-MEAN	C	C-MEAN	D	D-MEAN	E	E-MEAN	F	F-MEAN	G	G-MEAN	H	H-MEAN	I	I-MEAN	J	J-MEAN	K	K-MEAN	L	L-MEAN	M	M-MEAN	N	N-MEAN	O	O-MEAN	R	R-MEAN	S	S-MEAN	STDEV	MEAN
Sample 1	0.67	-0.05			0.50	-0.22			0.88	0.16					0.60	-0.12			0.81	0.09			0.85	0.13	0.88	0.16	0.56	-0.16					0.74	0.02	0.14	0.72
Sample 2	0.82	-0.01			0.78	-0.04			0.97	0.15					0.85	0.03			0.91	0.08			0.86	0.03	1.04	0.22	0.63	-0.20					0.57	-0.25	0.15	0.82
Sample 3	2.06	0.45			1.08	-0.53			1.48	-0.13					1.40	-0.20			1.19	-0.41			1.80	0.20	3.58	1.97	0.90	-0.70					0.94	-0.66	0.83	1.60
Mean Absolute Difference		0.17				0.26				0.14						0.12				0.19				0.12		0.78		0.35							0.31	
Mean of Difference			0.13			-0.26				0.06						-0.10								0.12		0.78		-0.35							-0.30	



Impurities (% by Weight) Z - score																	
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	R	S
Sample 1	-0.34		-1.55		1.08				-0.82		0.60	-0.91	1.11	-1.10			0.11
Sample 2	-0.06		-0.29		0.97			0.18		0.54		0.21	1.44	-1.31			-1.68
Sample 3	0.54		-0.63		-0.15			-0.24		-0.49		0.24	2.37	-0.84			-0.79

AOF Test Check Program 2019 - Round 3

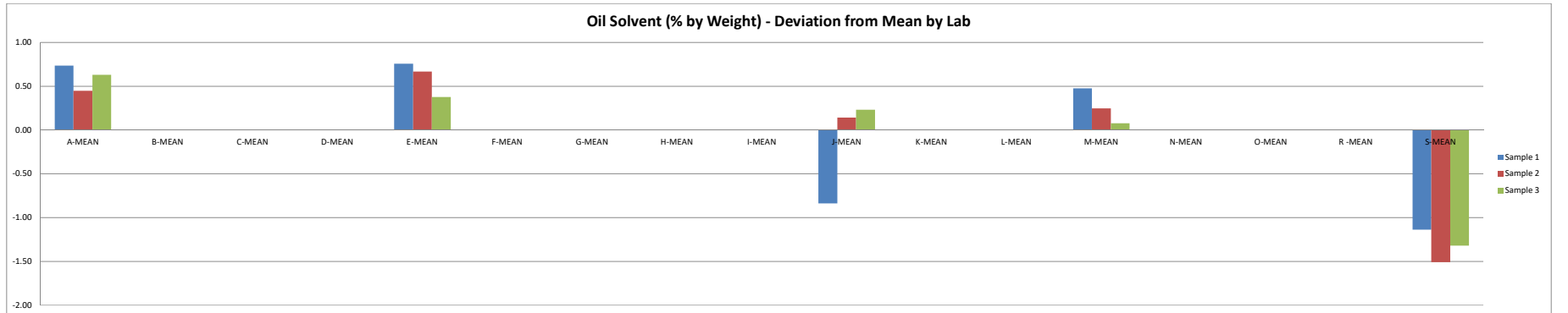
Oil NIR (% by Weight)																																				
	A	A-MEAN	B	B-MEAN	C	C-MEAN	D	D-MEAN	E	E-MEAN	F	F-MEAN	G	G-MEAN	H	H-MEAN	I	I-MEAN	J	J-MEAN	K	K-MEAN	L	L-MEAN	M	M-MEAN	N	N-MEAN	O	O-MEAN	R	R-MEAN	S	S-MEAN	STDEV	MEAN
Sample 1					46.40	-0.58			47.85	0.87					46.35	-0.63	46.85	-0.13	46.15	-0.83			46.97	-0.02	48.95	1.97	46.71	-0.27					46.60	-0.38	0.89	46.98
Sample 2					43.65	-0.47			44.10	-0.02					43.90	-0.22	44.10	-0.02	44.35	0.23			44.30	0.18	44.70	0.58	43.94	-0.18					44.05	-0.07	0.30	44.12
Sample 3					40.45	-0.56			41.80	0.79					41.20	0.20	40.35	-0.66	42.00	0.99			40.30	-0.71	41.70	0.70	40.30	-0.71					40.95	-0.05	0.70	41.01
Mean Absolute Difference						0.54				0.56						0.35		0.27		0.69				0.30		1.08							0.17			
Mean of Difference						-0.54				0.55						-0.22		-0.27		0.13				-0.18		1.08							-0.17			



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			-0.65		0.98				-0.71	-0.15	-0.94		-0.02	2.22	-0.31		-0.43
Sample 2			-1.56		-0.07				-0.73	-0.07	0.76		0.58	1.92	-0.61		-0.23
Sample 3			-0.80		1.14				0.28	-0.94	1.43		-1.01	1.00	-1.02		-0.08

AOF Test Check Program 2019 - Round 3

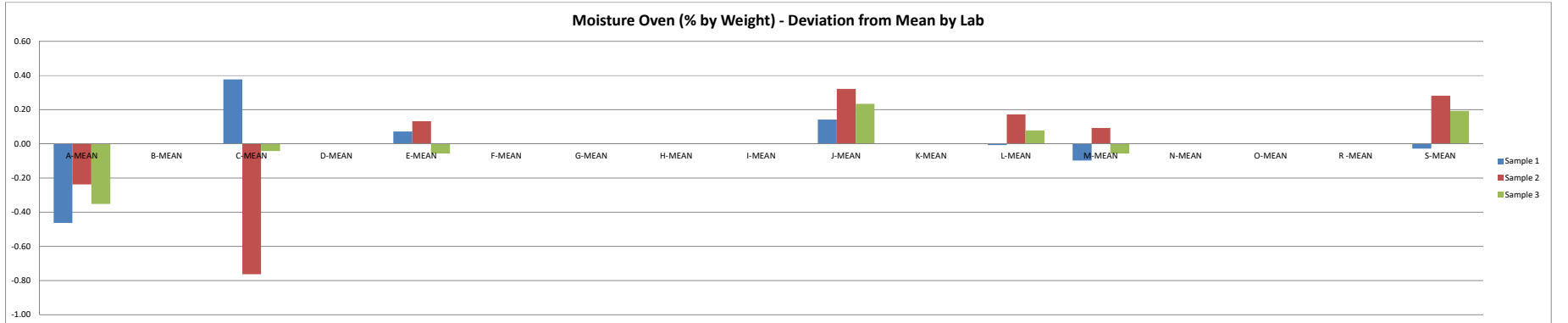
Oil Solvent (% by Weight)																																				
	A	A-MEAN	B	B-MEAN	C	C-MEAN	D	D-MEAN	E	E-MEAN	F	F-MEAN	G	G-MEAN	H	H-MEAN	I	I-MEAN	J	J-MEAN	K	K-MEAN	L	L-MEAN	M	M-MEAN	N	N-MEAN	O	O-MEAN	R	R-MEAN	S	S-MEAN	STDEV	MEAN
Sample 1	46.98	0.74						47.00	0.76										45.40	-0.84					46.72	0.48							45.10	-1.14	0.91	46.24
Sample 2	44.46	0.45						44.68	0.67										44.15	0.14					44.26	0.25							42.50	-1.51	0.87	44.01
Sample 3	41.70	0.63						41.45	0.38										41.30	0.23					41.15	0.08							39.75	-1.32	0.76	41.07
Mean Absolute Difference		0.61							0.60											0.40						0.27								1.32		
Mean of Difference		0.61							0.60											-0.15							0.27							-1.32		



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	0.81				0.83						-0.92		0.52				-1.24
Sample 2	0.52				0.77						0.17		0.29				-1.74
Sample 3	0.83				0.49						0.30		0.10				-1.72

AOF Test Check Program 2019 - Round 3

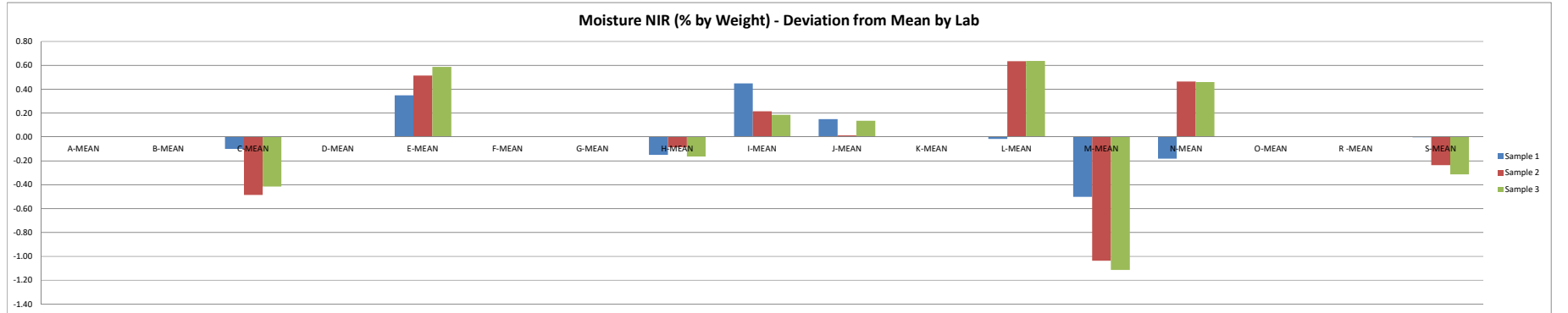
Moisture Oven (% by Weight)																																				
	A	A-MEAN	B	B-MEAN	C	C-MEAN	D	D-MEAN	E	E-MEAN	F	F-MEAN	G	G-MEAN	H	H-MEAN	I	I-MEAN	J	J-MEAN	K	K-MEAN	L	L-MEAN	M	M-MEAN	N	N-MEAN	O	O-MEAN	R	R-MEAN	S	S-MEAN	STDEV	MEAN
Sample 1	4.87	-0.46			5.71	0.38			5.40	0.07									5.47	0.14			5.32	-0.01	5.23	-0.10							5.30	-0.03	0.26	5.33
Sample 2	6.23	-0.24			5.71	-0.76			6.60	0.13									6.79	0.32			6.64	0.17	6.56	0.09							6.75	0.28	0.38	6.47
Sample 3	7.01	-0.35			7.32	-0.04			7.30	-0.06									7.59	0.23			7.44	0.08	7.30	-0.06							7.55	0.19	0.20	7.36
Mean Absolute Difference		0.35				0.39				0.09									0.23				0.09		0.08								0.17			
Mean of Difference		-0.35				-0.14				0.05									0.23				0.08		-0.02								0.15			



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	-1.81		1.48		0.28						0.56	-0.03	-0.38				-0.11
Sample 2	-0.62		-1.99		0.35						0.84	0.45	0.24				0.74
Sample 3	-1.80		-0.21		-0.29						1.19	0.40	-0.29				0.99

AOF Test Check Program 2019 - Round 3

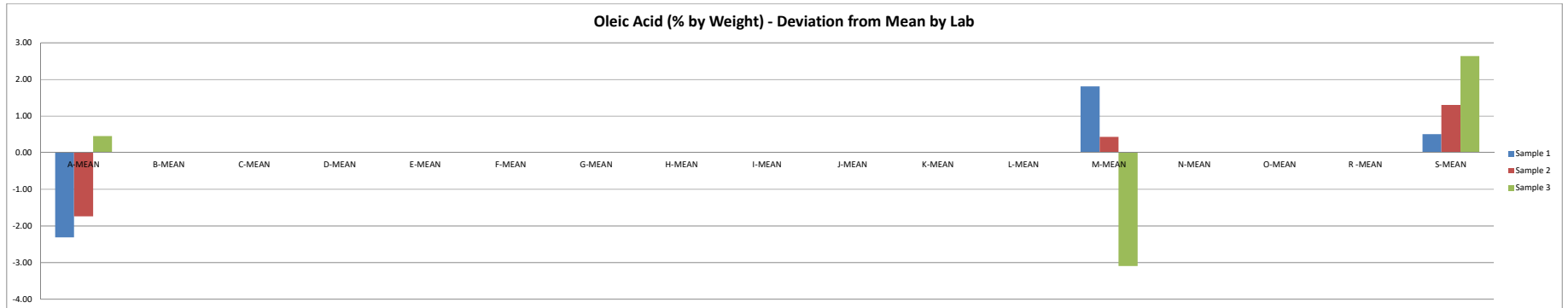
Moisture NIR (% by Weight)																																					
	A	A-MEAN	B	B-MEAN	C	C-MEAN	D	D-MEAN	E	E-MEAN	F	F-MEAN	G	G-MEAN	H	H-MEAN	I	I-MEAN	J	J-MEAN	K	K-MEAN	L	L-MEAN	M	M-MEAN	N	N-MEAN	O	O-MEAN	R	R-MEAN	S	S-MEAN	STDEV	MEAN	
Sample 1					5.10	-0.10			5.55	0.35					5.05	-0.15	5.65	0.45	5.35	0.15				5.19	-0.02	4.70	-0.50	5.02	-0.18					5.20	0.00	0.29	5.20
Sample 2					6.00	-0.49			7.00	0.51					6.40	-0.09	6.70	0.21	6.50	0.01				7.12	0.63	5.45	-1.04	6.95	0.46					6.25	-0.24	0.54	6.49
Sample 3					6.90	-0.41			7.90	0.59					7.15	-0.16	7.50	0.19	7.45	0.14				7.95	0.64	6.20	-1.11	7.78	0.46					7.00	-0.31	0.56	7.31
Mean Absolute Difference						0.33				0.48						0.13		0.28		0.10				0.43		0.88		0.37							0.18		
Mean of Difference						-0.33				0.48						-0.13		0.28		0.10				0.42		-0.88		0.25							-0.18		



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			-0.35		1.21				-0.52	1.56	0.52		-0.05	-1.74	-0.63		0.00
Sample 2			-0.91		0.96				-0.16	0.40	0.03		1.18	-1.93	0.87		-0.44
Sample 3			-0.73		1.04				-0.29	0.33	0.24		1.13	-1.97	0.82		-0.56

AOF Test Check Program 2019 - Round 3

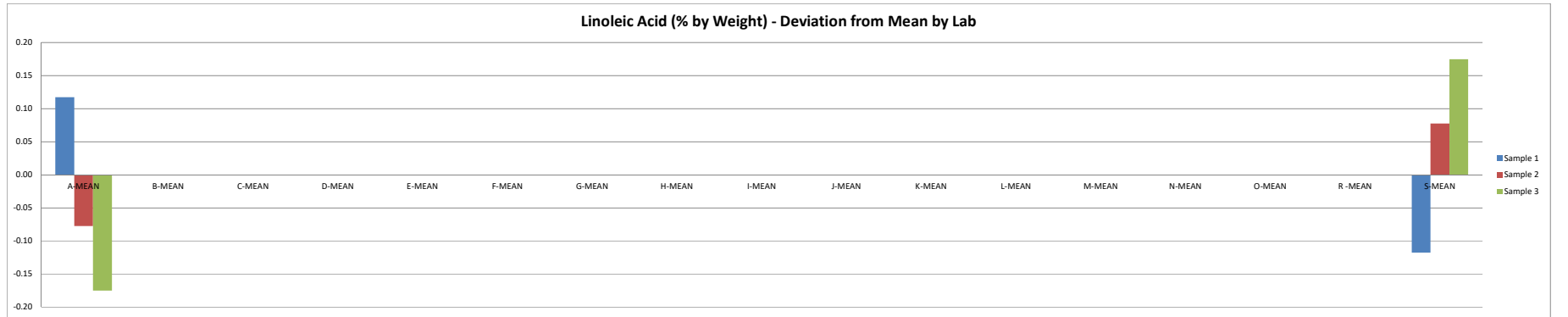
Oleic Acid (% by Weight)																																					
	A	A-MEAN	B	B-MEAN	C	C-MEAN	D	D-MEAN	E	E-MEAN	F	F-MEAN	G	G-MEAN	H	H-MEAN	I	I-MEAN	J	J-MEAN	K	K-MEAN	L	L-MEAN	M	M-MEAN	N	N-MEAN	O	O-MEAN	R	R-MEAN	S	S-MEAN	STDEV	MEAN	
Sample 1		64.63	-2.32																						68.76	1.81								67.45	0.51	2.11	66.95
Sample 2		60.30	-1.74																							62.48	0.43							63.35	1.31	1.57	62.04
Sample 3		61.46	0.45																							57.92	-3.09						63.65	2.64	2.89	61.01	
Mean Absolute Difference			1.50																																1.49		
Mean of Difference			-1.20																																1.49		



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	-1.10												0.86				0.24
Sample 2	-1.11												0.28				0.83
Sample 3	0.16												-1.07				0.91

AOF Test Check Program 2019 - Round 3

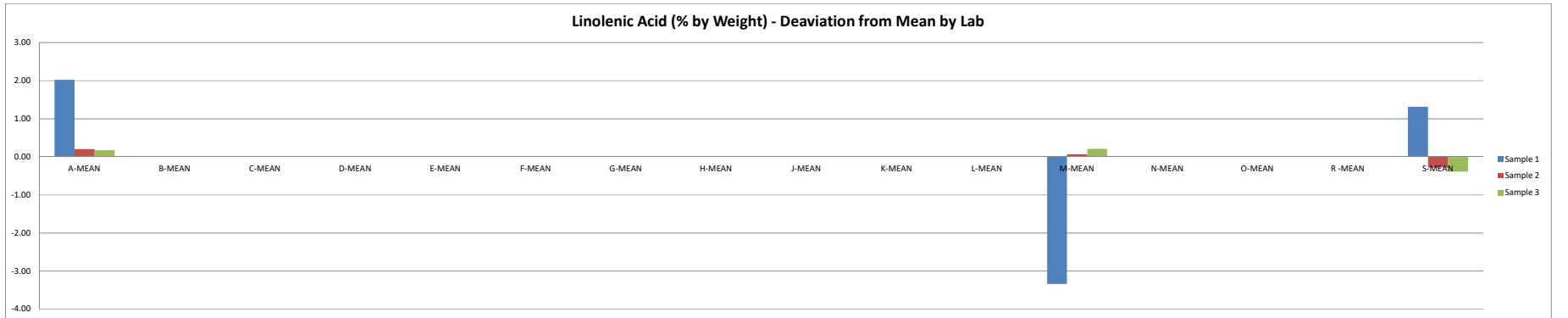
Linoleic Acid (% by Weight)																																					
	A	A-MEAN	B	B-MEAN	C	C-MEAN	D	D-MEAN	E	E-MEAN	F	F-MEAN	G	G-MEAN	H	H-MEAN	I	I-MEAN	J	J-MEAN	K	K-MEAN	L	L-MEAN	M	M-MEAN	N	N-MEAN	O	O-MEAN	R	R-MEAN	S	S-MEAN	STDEV	MEAN	
Sample 1		15.99	0.12																															15.75	-0.12	0.17	15.87
Sample 2		22.65	-0.08																															22.80	0.08	0.11	22.72
Sample 3		21.05	-0.18																															21.40	0.18	0.25	21.23
Mean Absolute Difference			0.12																																0.12		
Mean of Difference			-0.05																																0.05		



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	0.71																-0.71
Sample 2	-0.71																0.71
Sample 3	-0.71																0.71

AOF Test Check Program 2019 - Round 3

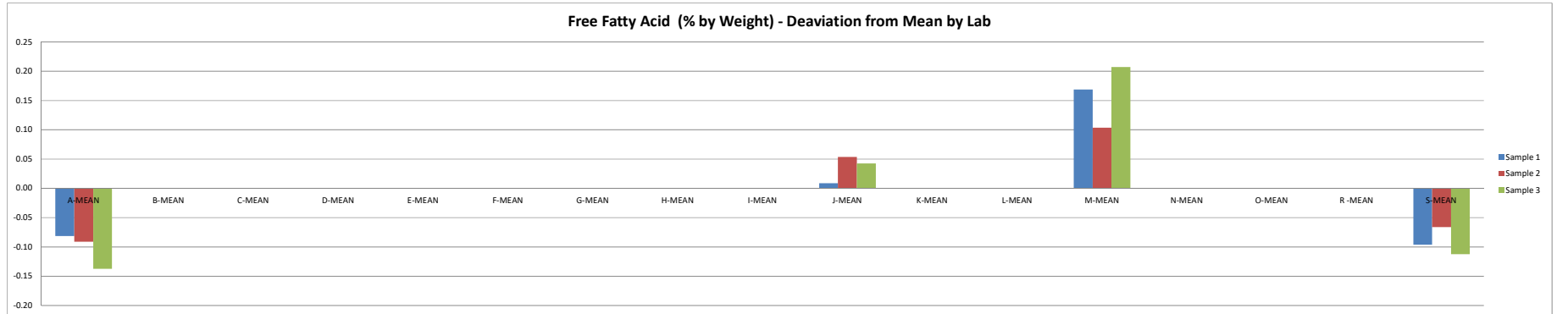
Linolenic Acid (% by Weight)																																				
	A	A-MEAN	B	B-MEAN	C	C-MEAN	D	D-MEAN	E	E-MEAN	F	F-MEAN	G	G-MEAN	H	H-MEAN	I	I-MEAN	J	J-MEAN	K	K-MEAN	L	L-MEAN	M	M-MEAN	N	N-MEAN	O	O-MEAN	R	R-MEAN	S	S-MEAN	STDEV	MEAN
Sample 1	10.71	2.02																							5.35	-3.34							10.00	1.32	2.91	8.69
Sample 2	8.54	0.21																							8.40	0.07							8.05	-0.28	0.25	8.33
Sample 3	9.02	0.18																							9.05	0.21							8.45	-0.39	0.34	8.84
Mean Absolute Difference		0.80																								1.21								0.66		
Mean of Difference		0.80																								-1.02								0.22		



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	0.69												-1.15				0.45
Sample 2	0.83												0.29				-1.11
Sample 3	0.52												0.63				-1.15

AOF Test Check Program 2019 - Round 3

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		0.07	-0.08																0.16	0.01					0.32	0.17							0.05	-0.10	0.12	0.15
Sample 2		0.13	-0.09																0.27	0.05					0.32	0.10							0.15	-0.07	0.09	0.22
Sample 3		0.19	-0.14																0.37	0.04					0.53	0.21							0.21	-0.11	0.16	0.32
Mean Absolute Difference			0.10																	0.04						0.16								0.09		
Mean of Difference			-0.10																	0.04						0.16								-0.09		



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	-0.67									0.07			1.39				-0.79
Sample 2	-0.97									0.57			1.11				-0.71
Sample 3	-0.86									0.27			1.30				-0.70

AOF Test Check Program 2019 - Round 3

2019 - Round 3

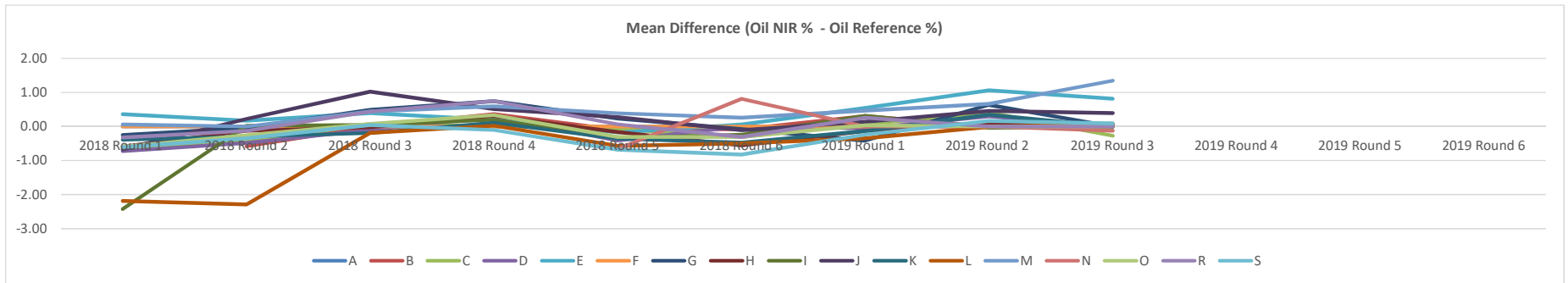
Oil % (NIR) - Oil % (Mean Reference)																	
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	R	S
Sample 1			0.16		1.61			0.11	0.61	-0.09		0.73	2.71	0.47			0.36
Sample 2			-0.36		0.09			-0.11	0.09	0.34		0.29	0.69	-0.07			0.04
Sample 3			-0.62		0.73			0.13	-0.72	0.93		-0.77	0.63	-0.77			-0.12
Average			-0.27		0.81			0.05	0.00	0.40		0.08	1.35	-0.12			0.10

Moisture % (NIR) - Moisture % (Mean Reference)																	
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	R	S
Sample 1			-0.23		0.22			-0.28	0.32	0.02		-0.14	-0.63				-0.13
Sample 2			-0.47		0.53			-0.07	0.23	0.03		0.65	-1.02				-0.22
Sample 3			-0.46		0.54			-0.21	0.14	0.09		0.59	-1.16				-0.36
Average			-0.38		0.43			-0.18	0.23	0.05		0.37	-0.93				-0.23

AOF Test Check Program 2019 - Round 3

Collective Oil

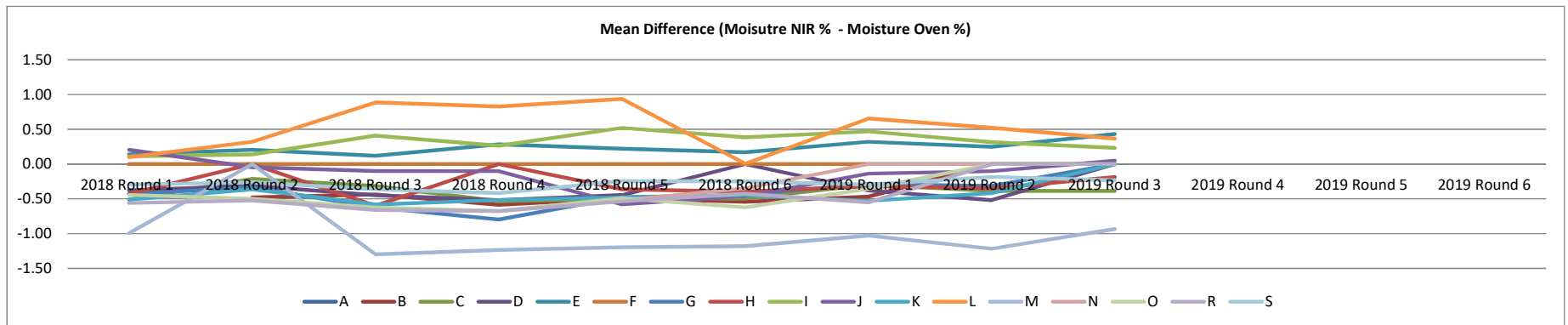
Mean Difference (Oil NIR % - Oil Reference %)																			
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	R	S		
2018 Round 1			-0.64	-0.72	0.36		-0.25	-0.59	-2.42	-0.67	-0.39	-2.18	0.06		-0.59	-0.32	-0.61		
2018 Round 2		-0.58	-0.45	-0.48	0.17		-0.04	-0.13	0.02	0.22	-0.30	-2.29			-0.26	-0.13	-0.35		
2018 Round 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																			
2019 Round 5																			
2019 Round 6																			



AOF Test Check Program 2019 - Round 3

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																	
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

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Appendix 2: Raw Data

Reporting Date	27/05/2019		Lab	A								
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		67.00	67.00	67.00	69.00	69.00	69.00	67.50	67.50	67.50	
Impurities	% by weight	AOF4-1.3	0.66	0.68	0.67	0.82	0.81	0.82	2.07	2.04	2.06	
Oil NIR (Clean Seed)	% by weight											
Oil Solvent (Clean Seed)	% by weight	Ball Mill (not corrected by moisture)	46.64	47.31	46.98	44.44	44.47	44.46	41.72	41.68	41.70	
Moisture Oven	% by weight		4.82	4.91	4.87	6.25	6.21	6.23	7.01	7.00	7.01	
Moisture NIR	% by weight											
Oleic Acid	% by weight	Methanolic KOH	64.66	64.60	64.63	60.27	60.33	60.30	61.57	61.35	61.46	
Linoleic Acid	% by weight	Methanolic KOH	15.97	16.00	15.99	22.68	22.61	22.65	20.97	21.13	21.05	
Linolenic Acid	% by weight	Methanolic KOH	10.70	10.71	10.71	8.54	8.53	8.54	9.02	9.01	9.02	
Free Fatty Acid	% by weight	AOCS Ac5-41	0.07	0.06	0.07	0.13	0.12	0.13	0.19	0.18	0.19	

Reporting Date			Lab	B								
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	18/05/2019		Lab	C								
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	weigh	67.71	67.79	67.75	70.61	70.48	70.55	68.10	67.80	67.95	
Impurities	% by weight	sieve & weigh	0.44	0.55	0.50	0.78	0.78	0.78	1.05	1.10	1.08	
Oil NIR (Clean Seed)	% by weight	NIR	46.00	46.80	46.40	43.70	43.60	43.65	40.10	40.80	40.45	
Oil Solvent (Clean Seed)	% by weight											
Moisture Oven	% by weight		5.94	5.47	5.71	5.70	5.71	5.71	7.50	7.13	7.32	
Moisture NIR	% by weight	NIR	5.1	5.1	5.1	6.0	6.0	6.0	7.0	6.8	6.9	
Oleic Acid	% by weight											
Linoleic Acid	% by weight											
Linolenic Acid	% by weight											
Free Fatty Acid	% by weight											

Reporting Date			Lab	D								
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											

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Reporting Date	13/05/2019		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	67.07	67.58	67.33	69.81	69.81	69.81	67.72	67.67	67.70	
Impurities	% by weight	Aerovac	0.87	0.88	0.88	0.99	0.95	0.97	1.47	1.48	1.48	
Oil NIR (Clean Seed)	% by weight	NIR	47.70	48.00	47.85	44.20	44.00	44.10	41.90	41.70	41.80	
Oil Solvent (Clean Seed)	% by weight	ISO-659	46.84	47.15	47.00	44.68	44.67	44.68	41.28	41.61	41.45	
Moisture Oven	% by weight	AOF method	5.4	5.4	5.4	6.6	6.6	6.6	7.3	7.3	7.3	
Moisture NIR	% by weight	NIR	5.6	5.5	5.6	7.0	7.0	7.0	7.9	7.9	7.9	
Oleic Acid	% by weight											
Linoleic Acid	% by weight											
Linolenic Acid	% by weight											
Free Fatty Acid	% by weight											

Reporting Date			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											
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	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											
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	29/04/2019		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		66.6	66.6	66.60	69.4	69.2	69.30	67.4	67.0	67.20	
Impurities	% by weight		0.6	0.6	0.60	1.0	0.7	0.85	1.3	1.5	1.40	
Oil NIR (Clean Seed)	% by weight		46.5	46.2	46.35	44.0	43.8	43.90	41.3	41.1	41.20	
Oil Solvent (Clean Seed)	% by weight											
Moisture Oven	% by weight											
Moisture NIR	% by weight		5.10	5.00	5.05	6.30	6.50	6.40	7.10	7.20	7.15	
Oleic Acid	% by weight											
Linoleic Acid	% by weight											
Linolenic Acid	% by weight											
Free Fatty Acid	% by weight											

AOF Test Check Program 2019 - Round 3

Reporting Date	29/05/2019		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)	46.90	46.80	46.85	44.20	44.00	44.10	40.20	40.50	40.35
Oil Solvent (Clean Seed)	% by weight										
Moisture Oven	% by weight										
Moisture NIR	% by weight	Near-Infra Red (NIR)	5.60	5.70	5.65	6.70	6.70	6.70	7.50	7.50	7.50
Oleic Acid	% by weight										
Linoleic Acid	% by weight										
Linolenic Acid	% by weight										
Free Fatty Acid	% by weight										

Reporting Date	30/04/2019		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	66.50	66.5	68.90	69.00	69.0	67.00	67.30	67.2
Impurities	% by weight	AOF Quality Standard	0.79	0.82	0.8	0.84	0.97	0.9	1.18	1.20	1.2
Oil NIR (Clean Seed)	% by weight	NIR	46.00	46.30	46.2	44.30	44.40	44.4	42.00	42.00	42.0
Oil Solvent (Clean Seed)	% by weight	AOCS AM 2-93	45.30	45.50	45.4	44.40	43.90	44.2	41.20	41.40	41.3
Moisture Oven	% by weight	AOAC 925.10	5.47	5.47	5.5	6.74	6.84	6.8	7.61	7.57	7.6
Moisture NIR	% by weight	NIR	5.30	5.40	5.4	6.50	6.50	6.5	7.40	7.50	7.5
Oleic Acid	% by weight										
Linoleic Acid	% by weight										
Linolenic Acid	% by weight										
Free Fatty Acid	% by weight	AOCS Ca 5a-40	0.16	0.15	0.16	0.27	0.27	0.27	0.35	0.38	0.37

Reporting Date			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										
Impurities	% by weight	AOF 2a-86									
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	7/05/2019		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	66.90	66.97	66.94	69.38	69.46	69.42	67.56	67.40	67.48
Impurities	% by weight	AOF 4 - 1.3	0.85	0.85	0.85	0.85	0.86	0.86	1.79	1.81	1.80
Oil NIR (Clean Seed)	% by weight	Near-Infra Red (NIR)	47.16	46.77	46.97	44.26	44.33	44.30	40.18	40.42	40.30
Oil Solvent (Clean Seed)	% by weight	N/A									
Moisture Oven	% by weight	AOF 4 - 1.5	5.32	5.32	5.32	6.63	6.65	6.64	7.43	7.44	7.44
Moisture NIR	% by weight	Near-Infra Red (NIR)	5.05	5.32	5.19	7.13	7.11	7.12	7.98	7.92	7.95
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	1/05/2019		Lab	M							
			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		0.81	0.95	0.88	0.95	1.13	1.04	3.60	3.55	3.58
Oil NIR (Clean Seed)	% by weight		48.80	49.10	48.95	44.60	44.80	44.70	41.90	41.50	41.70
Oil Solvent (Clean Seed)	% by weight		46.82	46.61	46.72	44.13	44.38	44.26	40.96	41.33	41.15
Moisture Oven	% by weight		5.24	5.22	5.23	6.57	6.55	6.56	7.29	7.31	7.30
Moisture NIR	% by weight		4.90	4.50	4.70	5.50	5.40	5.45	6.30	6.10	6.20
Oleic Acid	% by weight		68.55	68.96	68.76	63.08	61.87	62.48	58.08	57.75	57.92
Linoleic Acid	% by weight										
Linolenic Acid	% by weight		5.30	5.40	5.35	9.10	7.70	8.40	9.30	8.80	9.05
Free Fatty Acid	% by weight		0.25	0.38	0.32	0.31	0.33	0.32	0.51	0.55	0.53

Reporting Date	30/05/2019		Lab	N							
			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		66.65	66.84	66.75	68.96	68.91	68.94	67.12	67.23	67.18
Impurities	% by weight		0.64	0.48	0.56	0.60	0.65	0.63	0.91	0.89	0.90
Oil NIR (Clean Seed)	% by weight	NIR	46.72	46.70	46.71	43.79	44.08	43.94	40.09	40.50	40.30
Oil Solvent (Clean Seed)	% by weight										
Moisture Oven	% by weight										
Moisture NIR	% by weight	NIR	4.97	5.07	5.02	6.91	6.99	6.95	7.78	7.77	7.78
Oleic Acid	% by weight										
Linoleic Acid	% by weight										
Linolenic Acid	% by weight										
Free Fatty Acid	% by weight										

Reporting Date			Lab	O							
			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	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	Infracore 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	Infracore 1241 Serial No: 91724323									
Oleic Acid	% by weight										
Linoleic Acid	% by weight										
Linolenic Acid	% by weight										
Free Fatty Acid	% by weight										

Reporting Date	31/05/2019		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	66.60	66.70	66.65	69.00	69.30	69.15	67.20	67.20	67.20
Impurities	% by weight	TP 052	0.72	0.75	0.74	0.55	0.59	0.57	0.85	1.03	0.94
Oil NIR (Clean Seed)	% by weight	TP 054	46.70	46.50	46.60	44.20	43.90	44.05	41.10	40.80	40.95
Oil Solvent (Clean Seed)	% by weight	TP 053	45.10	45.10	45.10	42.60	42.40	42.50	39.60	39.90	39.75
Moisture Oven	% by weight	TP 022	5.30	5.30	5.30	6.80	6.70	6.75	7.60	7.50	7.55
Moisture NIR	% by weight	TP 054	5.40	5.00	5.20	6.20	6.30	6.25	7.00	7.00	7.00
Oleic Acid	% by weight	TP 047	67.70	67.20	67.45	64.20	62.50	63.35	63.60	63.70	63.65
Linoleic Acid	% by weight	TP 047	15.70	15.80	15.75	22.60	23.00	22.80	21.50	21.30	21.40
Linolenic Acid	% by weight	TP 047	10.00	10.00	10.00	8.20	7.90	8.05	8.60	8.30	8.45
Free Fatty Acid	% by weight	TP 046	0.05	0.05	0.05	0.16	0.14	0.15	0.20	0.22	0.21