

FORM 2 - IN

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011Lab Code: ACE Case No.: 51779 MA No. : SDG No.: MYCZ19Initial Calibration Verification Source : MP83508Continuing Calibration Verification Source : MP83511Run Batch: LB134014 Analytical Method: ICP-AESConcentration Units: µg/L

	Initial Calibration Verification				Continuing Calibration Verification						
	ID: ICV007				ID: CCV060				ID: CCV061		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Aluminum	2500	2500	99	1	400000	410000	102	0	410000	104	2
Antimony	1000	930	93	0	5000	5000	101	0	5300	106	0
Arsenic	1000	1100	109	1	5000	4700	93	0	4800	95	0
Barium	520	530	103	1	10000	10000	102	0	10000	103	2
Beryllium	510	540	105	1	500	520	104	1	520	103	2
Cadmium	510	510	99	0	2500	2500	101	0	2500	100	0
Calcium	10000	11000	105	1	400000	410000	104	0	410000	101	2
Chromium	520	550	106	0	15500	15000	100	1	15000	98	0
Cobalt	520	510	98	0	2500	2500	101	0	2500	100	0
Copper	510	520	101	1	15000	15000	102	0	15000	100	2
Iron	10000	11000	108	1	400000	420000	104	0	420000	106	2
Lead	1000	990	99	0	25000	25000	100	0	25000	99	0
Magnesium	6000	6400	107	1	400000	410000	103	0	420000	104	2
Manganese	520	550	105	1	15000	15000	102	0	16000	103	2
Nickel	530	520	97	0	2500	2500	100	0	2500	100	0
Potassium	9900	9500	96	0	150000	150000	102	0	150000	101	1
Selenium	1000	1000	100	0	5000	5000	100	0	5200	104	0
Silver	250	240	97	1	1250	1300	102	1	1300	102	0
Sodium	10000	11000	107	3	400000	400000	101	1	420000	105	2
Thallium	1000	1000	103	0	5000	4800	97	0	4800	95	0
Vanadium	500	530	107	2	2500	2600	102	0	2500	101	2
Zinc	1000	910	91	2	15000	15000	98	0	15000	99	0

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	Initial Calibration Verification				Continuing Calibration Verification						
	ID:				ID: CCV062				ID: CCV063		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Aluminum					400000	410000	102	2	400000	100	1
Antimony					5000	5400	108	0	5400	107	2
Arsenic					5000	4800	96	0	4900	97	0
Barium					10000	10000	104	2	10000	102	1
Beryllium					500	520	105	2	510	103	2
Cadmium					2500	2500	99	0	2500	100	2
Calcium					400000	410000	103	2	410000	101	1
Chromium					15500	15000	99	0	15000	99	0
Cobalt					2500	2500	99	0	2500	100	2
Copper					15000	15000	102	2	15000	100	1
Iron					400000	420000	104	2	410000	102	1
Lead					25000	25000	99	0	25000	100	2
Magnesium					400000	410000	103	2	400000	101	1
Manganese					15000	16000	105	2	15000	103	1
Nickel					2500	2500	99	0	2500	100	2
Potassium					150000	150000	103	2	150000	100	1
Selenium					5000	5300	106	0	5300	106	2
Silver					1250	1300	103	0	1300	103	0
Sodium					400000	410000	103	2	400000	101	2
Thallium					5000	4800	95	0	4800	96	2
Vanadium					2500	2600	102	2	2500	101	2
Zinc					15000	15000	98	0	14000	95	0

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	Initial Calibration Verification				Continuing Calibration Verification						
	ID:				ID: CCV064				ID: CCV065		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Aluminum					400000	410000	103	1	410000	103	1
Antimony					5000	5400	109	1	5200	105	0
Arsenic					5000	4800	96	0	4800	95	0
Barium					10000	10000	104	0	11000	105	1
Beryllium					500	520	105	0	530	105	0
Cadmium					2500	2500	101	1	2500	102	0
Calcium					400000	410000	103	0	420000	104	1
Chromium					15500	15000	99	0	16000	100	0
Cobalt					2500	2500	101	1	2500	102	0
Copper					15000	15000	102	0	15000	102	1
Iron					400000	420000	105	0	420000	105	1
Lead					25000	25000	101	1	25000	101	0
Magnesium					400000	410000	104	0	410000	103	1
Manganese					15000	16000	105	0	16000	104	1
Nickel					2500	2500	101	1	2500	101	0
Potassium					150000	150000	102	1	150000	103	1
Selenium					5000	5300	106	1	5200	103	0
Silver					1250	1300	103	1	1300	103	0
Sodium					400000	420000	104	0	410000	103	1
Thallium					5000	4900	97	1	4900	97	1
Vanadium					2500	2600	103	1	2600	103	1
Zinc					15000	15000	101	1	15000	99	0

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	Initial Calibration Verification				Continuing Calibration Verification						
	ID: ICV008				ID: CCV069				ID: CCV070		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Aluminum	2500	2400	95	1	400000	410000	103	0	410000	103	0
Antimony	1000	910	91	0	5000	5200	105	0	5300	106	0
Arsenic	1000	1100	109	1	5000	5400	108	0	5400	107	0
Barium	520	510	97	0	10000	10000	103	0	10000	103	0
Beryllium	510	520	101	1	500	520	104	0	520	104	1
Cadmium	510	480	95	0	2500	2500	102	0	2500	101	0
Calcium	10000	9900	99	0	400000	420000	104	0	410000	103	0
Chromium	520	530	102	0	15500	16000	102	0	16000	101	0
Cobalt	520	490	94	0	2500	2500	102	0	2500	102	0
Copper	510	490	95	1	15000	15000	102	0	15000	102	0
Iron	10000	10000	103	1	400000	420000	105	1	420000	104	0
Lead	1000	950	95	1	25000	25000	101	0	25000	101	0
Magnesium	6000	6100	102	3	400000	410000	104	1	410000	104	0
Manganese	520	520	100	1	15000	16000	104	1	16000	104	0
Nickel	530	500	94	0	2500	2500	102	0	2500	102	0
Potassium	9900	9100	92	3	150000	160000	104	1	150000	103	0
Selenium	1000	920	92	0	5000	5200	104	0	5200	104	1
Silver	250	230	94	1	1250	1300	105	0	1300	104	1
Sodium	10000	10000	101	3	400000	420000	104	0	410000	103	0
Thallium	1000	1000	100	0	5000	5000	99	0	4900	98	0
Vanadium	500	500	99	2	2500	2600	102	1	2600	102	1
Zinc	1000	910	91	1	15000	15000	100	0	15000	100	1

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	Initial Calibration Verification				Continuing Calibration Verification						
	ID:				ID: CCV071				ID:		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Aluminum					400000	410000	103	0			
Antimony					5000	5300	105	0			
Arsenic					5000	5400	107	0			
Barium					10000	10000	103	0			
Beryllium					500	530	105	0			
Cadmium					2500	2600	102	0			
Calcium					400000	420000	105	0			
Chromium					15500	16000	102	1			
Cobalt					2500	2600	102	0			
Copper					15000	16000	104	0			
Iron					400000	420000	105	0			
Lead					25000	25000	102	0			
Magnesium					400000	420000	104	0			
Manganese					15000	16000	104	0			
Nickel					2500	2600	102	0			
Potassium					150000	160000	104	0			
Selenium					5000	5200	104	0			
Silver					1250	1300	105	1			
Sodium					400000	410000	104	1			
Thallium					5000	5000	101	1			
Vanadium					2500	2600	103	1			
Zinc					15000	15000	99	1			

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	Initial Calibration Verification				Continuing Calibration Verification						
	ID: ICV002				ID: CCV016				ID: CCV017		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Aluminum	2500	2400	97	3	400000	420000	106	1	410000	102	1
Antimony	1000	950	95	0	5000	5300	105	1	5000	100	0
Arsenic	1000	1100	109	1	5000	5200	104	0	5000	101	0
Barium	520	520	100	1	10000	11000	108	1	10000	103	1
Beryllium	510	520	102	1	500	530	105	0	510	101	0
Cadmium	510	510	101	0	2500	2700	106	1	2500	101	0
Calcium	10000	10000	102	3	400000	430000	107	0	410000	104	1
Chromium	520	550	106	1	15500	16000	104	1	15000	99	0
Cobalt	520	510	98	0	2500	2600	106	0	2500	100	0
Copper	510	500	97	3	15000	16000	106	0	15000	102	1
Iron	10000	10000	104	2	400000	430000	108	1	420000	105	1
Lead	1000	990	99	1	25000	26000	105	1	25000	100	0
Magnesium	6000	6100	101	3	400000	420000	106	1	410000	101	1
Manganese	520	530	101	2	15000	16000	107	1	15000	103	1
Nickel	530	520	98	0	2500	2700	107	1	2500	102	0
Potassium	9900	9000	91	3	150000	160000	109	1	160000	104	1
Selenium	1000	1000	101	0	5000	5300	106	0	5000	101	0
Silver	250	250	100	1	1250	1400	108	1	1300	104	0
Sodium	10000	9200	92	6	400000	430000	107	1	410000	102	1
Thallium	1000	1000	103	1	5000	5200	103	1	4900	99	0
Vanadium	500	520	104	3	2500	2700	107	0	2600	103	1
Zinc	1000	920	92	0	15000	16000	105	1	15000	98	0