

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.: MYCZH9Initial Calibration Verification Source : MP83508Continuing Calibration Verification Source : MP83511Run Batch: LB134036 Analytical Method: ICP-AESConcentration Units: µg/L

	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: CCV072		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Aluminum					400000	410000	103	0	420000	106	1
Antimony					5000	5300	105	0	5300	105	0
Arsenic					5000	5400	107	0	5300	107	0
Barium					10000	10000	103	0	10000	105	1
Beryllium					500	530	105	0	540	107	1
Cadmium					2500	2600	102	0	2600	103	0
Calcium					400000	420000	105	0	430000	106	1
Chromium					15500	16000	102	1	16000	103	0
Cobalt					2500	2600	102	0	2600	103	0
Copper					15000	16000	104	0	16000	105	1
Iron					400000	420000	105	0	430000	107	1
Lead					25000	25000	102	0	26000	103	0
Magnesium					400000	420000	104	0	420000	106	1
Manganese					15000	16000	104	0	16000	105	1
Nickel					2500	2600	102	0	2600	103	0
Potassium					150000	160000	104	0	160000	105	1
Selenium					5000	5200	104	0	5200	104	0
Silver					1250	1300	105	1	1300	106	0
Sodium					400000	410000	104	1	430000	107	1
Thallium					5000	5000	101	1	5000	101	0
Vanadium					2500	2600	103	1	2600	105	0
Zinc					15000	15000	99	1	15000	102	1

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	Initial Calibration Verification				Continuing Calibration Verification						
	ID:				ID: CCV073				ID: CCV074		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Aluminum					400000	410000	103	0	410000	103	1
Antimony					5000	5000	99	0	4900	99	0
Arsenic					5000	4900	98	0	5100	101	0
Barium					10000	10000	102	0	10000	103	1
Beryllium					500	520	103	0	520	103	1
Cadmium					2500	2500	100	0	2500	100	0
Calcium					400000	410000	103	0	410000	103	1
Chromium					15500	16000	100	0	16000	100	1
Cobalt					2500	2500	101	0	2500	100	0
Copper					15000	15000	101	0	15000	101	1
Iron					400000	420000	104	0	410000	104	1
Lead					25000	25000	99	0	25000	99	0
Magnesium					400000	410000	103	1	410000	103	1
Manganese					15000	15000	101	0	15000	102	1
Nickel					2500	2500	101	0	2500	100	0
Potassium					150000	150000	102	0	150000	101	1
Selenium					5000	4900	98	0	4900	97	0
Silver					1250	1300	102	0	1300	102	1
Sodium					400000	410000	103	0	410000	103	0
Thallium					5000	4900	97	0	4800	96	0
Vanadium					2500	2500	102	0	2500	102	1
Zinc					15000	15000	98	1	15000	99	1

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	Initial Calibration Verification				Continuing Calibration Verification						
	ID:				ID: CCV075				ID: CCV076		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Aluminum					400000	400000	100	1	400000	101	1
Antimony					5000	4800	95	0	4800	96	0
Arsenic					5000	4900	97	0	4800	96	0
Barium					10000	9900	99	1	10000	100	1
Beryllium					500	500	100	1	500	100	0
Cadmium					2500	2400	97	0	2400	97	0
Calcium					400000	400000	101	1	400000	101	1
Chromium					15500	15000	98	0	15000	97	0
Cobalt					2500	2500	98	0	2500	98	0
Copper					15000	15000	98	1	15000	99	1
Iron					400000	400000	101	1	410000	101	1
Lead					25000	24000	96	0	24000	97	0
Magnesium					400000	400000	100	1	400000	101	1
Manganese					15000	15000	98	1	15000	99	1
Nickel					2500	2500	98	0	2500	99	0
Potassium					150000	150000	99	1	150000	99	1
Selenium					5000	4700	95	0	4700	95	0
Silver					1250	1200	100	0	1200	99	0
Sodium					400000	400000	100	1	400000	101	1
Thallium					5000	4600	91	1	4500	90	0
Vanadium					2500	2500	99	1	2500	100	1
Zinc					15000	14000	96	0	15000	97	0

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	Initial Calibration Verification				Continuing Calibration Verification						
	ID:				ID: CCV077				ID: CCV078		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Aluminum					400000	400000	100	0	400000	101	1
Antimony					5000	4800	96	0	4900	97	0
Arsenic					5000	4800	97	0	4900	98	0
Barium					10000	10000	100	0	10000	101	1
Beryllium					500	500	99	1	500	100	0
Cadmium					2500	2400	98	0	2500	99	0
Calcium					400000	400000	100	0	400000	100	0
Chromium					15500	15000	98	0	15000	98	0
Cobalt					2500	2500	99	0	2500	100	0
Copper					15000	15000	98	0	15000	98	1
Iron					400000	400000	100	0	400000	101	1
Lead					25000	24000	97	0	25000	98	0
Magnesium					400000	400000	99	0	400000	99	1
Manganese					15000	15000	98	0	15000	99	1
Nickel					2500	2500	100	0	2500	100	0
Potassium					150000	150000	99	1	150000	99	1
Selenium					5000	4800	95	0	4800	96	1
Silver					1250	1200	100	1	1200	100	0
Sodium					400000	400000	100	1	400000	101	0
Thallium					5000	4500	90	0	4500	91	0
Vanadium					2500	2500	99	1	2500	99	1
Zinc					15000	15000	98	1	15000	98	0

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	Initial Calibration Verification				Continuing Calibration Verification						
	ID:				ID: CCV079				ID:		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Aluminum					400000	400000	101	1			
Antimony					5000	4800	97	0			
Arsenic					5000	4900	98	0			
Barium					10000	10000	101	1			
Beryllium					500	500	100	1			
Cadmium					2500	2500	99	0			
Calcium					400000	400000	100	1			
Chromium					15500	15000	99	0			
Cobalt					2500	2500	100	0			
Copper					15000	15000	98	1			
Iron					400000	400000	101	1			
Lead					25000	25000	98	0			
Magnesium					400000	400000	99	1			
Manganese					15000	15000	98	1			
Nickel					2500	2500	100	0			
Potassium					150000	150000	99	1			
Selenium					5000	4800	96	0			
Silver					1250	1300	100	1			
Sodium					400000	400000	99	1			
Thallium					5000	4600	92	0			
Vanadium					2500	2500	99	1			
Zinc					15000	15000	100	1			