

FORM 2 - IN

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011Lab Code: ACE Case No.: 51879 MA No. : SDG No.: MBHHB2Initial Calibration Verification Source : MP83143Continuing Calibration Verification Source : MP83146Run Batch: LB133566 Analytical Method: ICP-AESConcentration Units: µg/L

	Initial Calibration Verification				Continuing Calibration Verification						
	ID: ICV007				ID: CCV041				ID: CCV042		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Aluminum	2500	2400	96	0	400000	400000	101	0	400000	101	0
Antimony	1000	910	91	1	5000	4800	96	1	4700	94	0
Arsenic	1000	910	91	1	5000	5000	101	0	4900	99	0
Barium	520	530	101	0	10000	10000	101	0	10000	100	0
Beryllium	510	520	101	0	500	490	98	0	490	99	0
Cadmium	510	500	98	0	2500	2500	99	0	2400	98	0
Calcium	10000	10000	101	0	400000	400000	100	0	400000	99	0
Chromium	520	560	107	0	15500	15000	98	0	15000	96	0
Cobalt	520	500	97	0	2500	2500	99	0	2400	98	0
Copper	510	490	96	1	15000	15000	99	0	15000	98	0
Iron	10000	11000	108	0	400000	410000	102	0	410000	102	0
Lead	1000	1000	100	0	25000	25000	98	0	24000	97	0
Magnesium	6000	5500	91	0	400000	400000	99	0	400000	99	0
Manganese	520	530	102	1	15000	15000	98	0	15000	97	0
Nickel	530	510	96	0	2500	2500	99	0	2400	97	0
Potassium	9900	10000	101	1	150000	150000	101	0	150000	101	0
Selenium	1000	930	93	0	5000	4800	95	0	4600	93	0
Silver	250	240	95	0	1250	1200	100	0	1200	98	0
Sodium	10000	9500	95	2	400000	400000	100	0	400000	99	0
Thallium	1000	1100	107	0	5000	4900	97	0	4700	95	0
Vanadium	500	540	107	1	2500	2500	99	0	2400	98	0
Zinc	1000	950	95	0	15000	15000	97	0	14000	96	1

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	Initial Calibration Verification				Continuing Calibration Verification						
	ID:				ID: CCV043				ID: CCV044		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Aluminum					400000	410000	102	3	400000	99	2
Antimony					5000	4700	93	0	4700	93	0
Arsenic					5000	4900	99	0	4900	98	0
Barium					10000	10000	102	3	9900	99	2
Beryllium					500	500	101	3	490	97	1
Cadmium					2500	2400	97	0	2400	97	0
Calcium					400000	400000	101	4	390000	99	2
Chromium					15500	15000	96	0	15000	96	0
Cobalt					2500	2400	97	0	2400	97	0
Copper					15000	15000	100	3	15000	97	2
Iron					400000	410000	103	3	410000	103	1
Lead					25000	24000	96	0	24000	96	0
Magnesium					400000	400000	101	4	390000	98	2
Manganese					15000	15000	98	4	14000	96	2
Nickel					2500	2400	96	0	2400	97	0
Potassium					150000	150000	102	3	150000	99	1
Selenium					5000	4600	92	0	4600	92	0
Silver					1250	1200	98	0	1200	98	0
Sodium					400000	400000	101	3	400000	99	1
Thallium					5000	4700	94	0	4700	95	0
Vanadium					2500	2500	99	3	2400	96	1
Zinc					15000	14000	95	1	14000	96	1

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	Initial Calibration Verification				Continuing Calibration Verification						
	ID:				ID: CCV045				ID: CCV046		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Aluminum					400000	400000	100	0	400000	99	0
Antimony					5000	4700	95	0	4700	95	0
Arsenic					5000	5000	101	1	5000	101	0
Barium					10000	10000	102	0	10000	102	0
Beryllium					500	490	98	1	490	97	0
Cadmium					2500	2500	99	0	2500	99	0
Calcium					400000	410000	102	0	410000	102	0
Chromium					15500	15000	96	0	15000	97	2
Cobalt					2500	2500	99	0	2500	99	0
Copper					15000	15000	98	0	15000	97	0
Iron					400000	410000	104	0	410000	103	0
Lead					25000	24000	98	0	24000	98	0
Magnesium					400000	400000	100	0	400000	99	0
Manganese					15000	15000	97	0	15000	97	0
Nickel					2500	2500	98	0	2500	98	0
Potassium					150000	150000	101	0	150000	101	0
Selenium					5000	4700	93	0	4600	93	0
Silver					1250	1200	99	0	1300	101	2
Sodium					400000	400000	99	0	400000	99	0
Thallium					5000	4800	95	0	4800	96	0
Vanadium					2500	2400	97	0	2400	96	0
Zinc					15000	15000	97	0	15000	97	2

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	Initial Calibration Verification				Continuing Calibration Verification						
	ID:				ID: CCV047				ID:		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Aluminum					400000	380000	94	7			
Antimony					5000	4700	93	0			
Arsenic					5000	4900	98	1			
Barium					10000	9600	96	7			
Beryllium					500	470	94	6			
Cadmium					2500	2400	97	0			
Calcium					400000	390000	96	7			
Chromium					15500	15000	96	2			
Cobalt					2500	2400	97	0			
Copper					15000	14000	92	7			
Iron					400000	390000	98	8			
Lead					25000	24000	96	0			
Magnesium					400000	380000	95	7			
Manganese					15000	14000	93	7			
Nickel					2500	2400	97	0			
Potassium					150000	140000	96	7			
Selenium					5000	4500	91	1			
Silver					1250	1200	100	2			
Sodium					400000	380000	94	7			
Thallium					5000	4700	94	0			
Vanadium					2500	2300	91	7			
Zinc					15000	14000	96	2			

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	Initial Calibration Verification				Continuing Calibration Verification						
	ID: ICV011				ID: CCV071				ID: CCV072		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Aluminum	2500	2400	96	1	400000	420000	105	0	390000	98	1
Antimony	1000	940	94	0	5000	5100	102	1	4600	93	1
Arsenic	1000	930	93	0	5000	5400	107	0	5400	109	1
Barium	520	530	102	1	10000	11000	106	1	10000	100	1
Beryllium	510	540	105	1	500	520	104	0	490	98	1
Cadmium	510	510	99	0	2500	2700	107	0	2600	106	1
Calcium	10000	10000	103	1	400000	430000	107	0	400000	100	1
Chromium	520	570	110	0	15500	16000	105	0	15000	97	4
Cobalt	520	500	96	1	2500	2700	106	0	2500	100	1
Copper	510	500	98	1	15000	16000	105	0	15000	97	1
Iron	10000	11000	107	1	400000	430000	108	0	400000	99	1
Lead	1000	1000	100	0	25000	26000	105	0	25000	100	1
Magnesium	6000	5500	92	2	400000	420000	105	0	410000	103	1
Manganese	520	540	104	0	15000	16000	104	0	15000	98	1
Nickel	530	510	97	0	2500	2600	105	0	2500	99	1
Potassium	9900	9600	97	0	150000	160000	108	0	150000	100	1
Selenium	1000	980	98	0	5000	5000	100	1	4800	96	1
Silver	250	250	99	1	1250	1300	107	0	1300	100	4
Sodium	10000	10000	103	1	400000	420000	106	0	390000	98	1
Thallium	1000	1100	108	0	5000	5000	100	0	4900	98	1
Vanadium	500	540	108	1	2500	2600	105	0	2400	98	1
Zinc	1000	960	96	1	15000	16000	104	1	14000	94	4

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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	400000	99	1	400000	100	0
Antimony					5000	4700	93	2	4800	95	0
Arsenic					5000	5400	108	2	5400	108	0
Barium					10000	10000	100	2	10000	100	1
Beryllium					500	500	99	1	510	101	1
Cadmium					2500	2600	105	2	2600	105	0
Calcium					400000	400000	101	1	400000	101	0
Chromium					15500	15000	99	1	15000	99	0
Cobalt					2500	2500	100	2	2500	100	0
Copper					15000	15000	98	1	15000	99	0
Iron					400000	400000	101	1	400000	101	0
Lead					25000	25000	99	2	25000	100	0
Magnesium					400000	420000	104	1	420000	105	0
Manganese					15000	15000	98	1	15000	98	0
Nickel					2500	2500	99	2	2500	99	0
Potassium					150000	150000	101	1	150000	101	0
Selenium					5000	4900	97	2	5000	99	0
Silver					1250	1300	101	1	1300	101	0
Sodium					400000	400000	100	1	400000	100	0
Thallium					5000	5000	99	2	5100	102	0
Vanadium					2500	2500	99	1	2500	99	0
Zinc					15000	14000	95	1	14000	96	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	390000	98	1
Antimony					5000	4700	94	0	4700	94	0
Arsenic					5000	5400	107	0	5300	106	0
Barium					10000	10000	100	1	9800	98	1
Beryllium					500	520	103	1	520	103	0
Cadmium					2500	2600	104	0	2600	104	0
Calcium					400000	400000	101	1	400000	99	1
Chromium					15500	15000	99	0	15000	100	1
Cobalt					2500	2500	100	0	2500	99	0
Copper					15000	15000	99	1	15000	98	1
Iron					400000	410000	101	1	400000	101	1
Lead					25000	25000	99	0	24000	98	0
Magnesium					400000	420000	105	1	420000	104	1
Manganese					15000	15000	98	1	14000	96	1
Nickel					2500	2500	98	0	2400	97	0
Potassium					150000	150000	101	1	150000	100	1
Selenium					5000	4900	99	0	4900	98	0
Silver					1250	1200	100	0	1300	101	1
Sodium					400000	400000	100	1	400000	100	1
Thallium					5000	5100	102	0	5100	102	0
Vanadium					2500	2500	99	1	2500	99	1
Zinc					15000	14000	95	0	14000	96	1

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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	99	1	400000	100	1
Antimony					5000	4700	95	1	4700	94	1
Arsenic					5000	5300	106	1	5200	105	1
Barium					10000	9700	97	1	9800	98	2
Beryllium					500	520	104	1	540	108	2
Cadmium					2500	2600	104	1	2600	102	1
Calcium					400000	400000	99	1	400000	100	2
Chromium					15500	15000	96	5	15000	98	7
Cobalt					2500	2500	99	1	2400	98	1
Copper					15000	15000	98	1	15000	100	2
Iron					400000	400000	101	1	410000	104	2
Lead					25000	24000	98	1	24000	96	1
Magnesium					400000	420000	105	1	400000	100	2
Manganese					15000	14000	96	1	15000	97	2
Nickel					2500	2400	98	1	2400	96	1
Potassium					150000	150000	100	1	150000	101	2
Selenium					5000	5000	100	1	5000	99	1
Silver					1250	1200	96	6	1200	98	8
Sodium					400000	400000	100	1	410000	102	2
Thallium					5000	5200	104	1	5200	104	1
Vanadium					2500	2500	99	0	2500	101	2
Zinc					15000	14000	91	6	14000	94	9

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Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
 Lab Code: ACE Case No.: 51879 MA No. : SDG No.: MBHHB2
 Initial Calibration Verification Source : MP83143
 Continuing Calibration Verification Source : MP83146
 Run Batch: LB133698 Analytical Method: ICP-AES
 Concentration Units: µg/L

	Initial Calibration Verification				Continuing Calibration Verification						
	ID:				ID: CCV079				ID: CCV080		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Aluminum					400000	390000	99	1	400000	100	1
Antimony					5000	4700	94	0	4700	94	0
Arsenic					5000	5200	104	1	5200	104	0
Barium					10000	9500	95	1	9700	97	1
Beryllium					500	530	106	1	540	108	2
Cadmium					2500	2600	102	0	2500	102	0
Calcium					400000	390000	98	1	400000	100	1
Chromium					15500	15000	100	0	15000	99	1
Cobalt					2500	2400	98	0	2400	97	0
Copper					15000	15000	97	1	15000	99	1
Iron					400000	400000	101	1	410000	103	2
Lead					25000	24000	96	0	24000	96	0
Magnesium					400000	390000	97	1	400000	99	2
Manganese					15000	14000	94	1	14000	96	1
Nickel					2500	2400	96	0	2400	96	0
Potassium					150000	150000	99	1	150000	101	1
Selenium					5000	5000	100	1	5000	99	0
Silver					1250	1200	100	0	1200	98	1
Sodium					400000	400000	100	1	410000	102	1
Thallium					5000	5200	104	1	5200	104	0
Vanadium					2500	2500	99	1	2500	100	1
Zinc					15000	14000	95	0	14000	95	1

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	Initial Calibration Verification				Continuing Calibration Verification						
	ID:				ID: CCV081				ID:		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Aluminum					400000	400000	100	1			
Antimony					5000	4700	94	1			
Arsenic					5000	5200	104	0			
Barium					10000	9600	96	1			
Beryllium					500	540	107	1			
Cadmium					2500	2500	102	0			
Calcium					400000	400000	99	1			
Chromium					15500	15000	99	0			
Cobalt					2500	2400	97	0			
Copper					15000	15000	99	1			
Iron					400000	410000	102	1			
Lead					25000	24000	96	0			
Magnesium					400000	400000	99	1			
Manganese					15000	14000	95	1			
Nickel					2500	2400	96	0			
Potassium					150000	150000	101	1			
Selenium					5000	5000	99	1			
Silver					1250	1200	99	0			
Sodium					400000	410000	102	1			
Thallium					5000	5200	104	1			
Vanadium					2500	2500	100	1			
Zinc					15000	14000	95	0			