

FORM 2 - IN

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011Lab Code: ACE Case No.: 51817 MA No. : SDG No.: MYE5G1Initial Calibration Verification Source : MP83143Continuing Calibration Verification Source : MP83146Run Batch: LB133417 Analytical Method: ICP-AESConcentration Units: µg/L

	Initial Calibration Verification				Continuing Calibration Verification						
	ID: ICV010				ID: CCV064				ID: CCV065		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Aluminum	2500	2400	95	1	400000	410000	102	0	410000	101	0
Antimony	1000	930	93	1	5000	4800	95	0	4800	95	0
Arsenic	1000	930	93	1	5000	5000	101	0	5100	101	0
Barium	520	520	100	0	10000	10000	101	0	10000	101	0
Beryllium	510	520	103	0	500	500	100	1	490	99	1
Cadmium	510	510	100	0	2500	2500	100	0	2500	101	0
Calcium	10000	10000	102	0	400000	420000	104	0	410000	102	0
Chromium	520	560	108	0	15500	15000	98	0	15000	97	1
Cobalt	520	500	96	0	2500	2500	100	0	2500	100	0
Copper	510	490	96	1	15000	15000	100	0	15000	99	0
Iron	10000	11000	109	0	400000	420000	104	1	410000	104	0
Lead	1000	990	99	0	25000	25000	98	0	25000	99	0
Magnesium	6000	5500	91	2	400000	410000	103	0	410000	102	0
Manganese	520	540	103	0	15000	15000	99	0	15000	99	0
Nickel	530	510	97	0	2500	2500	99	0	2500	99	0
Potassium	9900	9000	91	1	150000	150000	103	0	150000	102	0
Selenium	1000	970	97	1	5000	4700	94	0	4700	94	0
Silver	250	240	95	0	1250	1200	99	0	1200	98	1
Sodium	10000	10000	103	2	400000	410000	103	0	410000	102	0
Thallium	1000	1100	108	1	5000	4800	96	0	4800	95	0
Vanadium	500	530	106	1	2500	2500	101	0	2500	99	0
Zinc	1000	940	94	0	15000	14000	96	0	14000	95	1

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	Initial Calibration Verification				Continuing Calibration Verification						
	ID:				ID: CCV066				ID: CCV067		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Aluminum					400000	410000	101	0	410000	102	0
Antimony					5000	4700	95	0	4800	96	0
Arsenic					5000	5100	101	0	5100	102	0
Barium					10000	10000	101	0	10000	102	0
Beryllium					500	490	99	0	500	100	0
Cadmium					2500	2500	101	0	2500	101	0
Calcium					400000	410000	101	0	410000	103	1
Chromium					15500	15000	96	0	15000	98	0
Cobalt					2500	2500	100	0	2500	100	0
Copper					15000	15000	99	0	15000	99	0
Iron					400000	410000	103	0	420000	104	0
Lead					25000	25000	99	0	25000	99	0
Magnesium					400000	400000	101	0	410000	102	0
Manganese					15000	15000	98	0	15000	99	0
Nickel					2500	2500	99	0	2500	99	0
Potassium					150000	150000	102	0	150000	103	0
Selenium					5000	4700	93	0	4700	95	0
Silver					1250	1200	97	0	1200	99	0
Sodium					400000	410000	101	0	410000	103	0
Thallium					5000	4700	94	0	4800	95	0
Vanadium					2500	2500	98	0	2500	100	1
Zinc					15000	14000	96	0	14000	97	0

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	Initial Calibration Verification				Continuing Calibration Verification						
	ID:				ID: CCV068				ID: CCV069		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Aluminum					400000	410000	103	0	410000	103	0
Antimony					5000	4800	96	0	4800	95	0
Arsenic					5000	5100	101	0	5000	101	0
Barium					10000	10000	102	0	10000	101	0
Beryllium					500	510	101	0	510	102	0
Cadmium					2500	2600	102	0	2500	101	0
Calcium					400000	410000	104	0	420000	105	0
Chromium					15500	15000	98	0	15000	98	0
Cobalt					2500	2500	101	0	2500	101	0
Copper					15000	15000	99	0	15000	99	0
Iron					400000	420000	105	0	420000	105	0
Lead					25000	25000	100	0	25000	99	0
Magnesium					400000	410000	103	0	410000	103	0
Manganese					15000	15000	98	0	15000	98	0
Nickel					2500	2500	100	0	2500	99	0
Potassium					150000	150000	103	0	150000	103	0
Selenium					5000	4700	94	1	4700	93	1
Silver					1250	1200	100	0	1200	100	0
Sodium					400000	410000	103	0	420000	104	0
Thallium					5000	4700	95	0	4700	94	1
Vanadium					2500	2500	100	1	2500	101	1
Zinc					15000	14000	96	0	14000	96	0

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	Initial Calibration Verification				Continuing Calibration Verification						
	ID:				ID: CCV070				ID: CCV071		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Aluminum					400000	410000	103	0	410000	104	0
Antimony					5000	4800	96	0	4900	97	1
Arsenic					5000	5000	100	0	5100	102	0
Barium					10000	10000	101	0	10000	102	0
Beryllium					500	520	103	0	520	104	0
Cadmium					2500	2600	102	0	2600	103	0
Calcium					400000	420000	105	0	430000	107	0
Chromium					15500	15000	98	0	15000	98	0
Cobalt					2500	2500	101	0	2500	102	0
Copper					15000	15000	99	0	15000	100	0
Iron					400000	420000	105	0	420000	106	0
Lead					25000	25000	99	0	25000	100	0
Magnesium					400000	420000	104	0	420000	105	0
Manganese					15000	15000	97	0	15000	99	0
Nickel					2500	2500	99	0	2500	100	0
Potassium					150000	160000	104	0	160000	105	0
Selenium					5000	4700	94	0	4800	96	1
Silver					1250	1300	101	0	1300	101	0
Sodium					400000	420000	105	0	420000	106	0
Thallium					5000	4700	94	0	4700	95	0
Vanadium					2500	2500	101	0	2500	101	1
Zinc					15000	14000	95	1	14000	96	1

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	Initial Calibration Verification				Continuing Calibration Verification						
	ID:				ID: CCV072				ID: CCV073		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Aluminum					400000	410000	104	0	420000	104	0
Antimony					5000	4900	98	0	4800	96	0
Arsenic					5000	5200	103	0	5200	103	0
Barium					10000	10000	104	0	10000	103	0
Beryllium					500	510	102	0	520	103	0
Cadmium					2500	2600	104	0	2600	103	0
Calcium					400000	420000	104	0	420000	105	0
Chromium					15500	15000	98	0	15000	98	0
Cobalt					2500	2600	103	0	2600	102	0
Copper					15000	15000	100	0	15000	100	0
Iron					400000	420000	104	0	420000	104	0
Lead					25000	25000	101	0	25000	101	0
Magnesium					400000	410000	103	0	410000	104	0
Manganese					15000	15000	99	0	15000	99	0
Nickel					2500	2500	102	0	2500	101	0
Potassium					150000	160000	106	0	160000	106	0
Selenium					5000	4800	96	0	4700	94	0
Silver					1250	1300	100	0	1300	101	0
Sodium					400000	420000	105	0	420000	106	0
Thallium					5000	4700	95	0	4700	95	0
Vanadium					2500	2500	100	1	2500	100	0
Zinc					15000	15000	97	1	15000	97	1

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	Initial Calibration Verification				Continuing Calibration Verification						
	ID:				ID: CCV074				ID: CCV075		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Aluminum					400000	420000	105	0	420000	104	0
Antimony					5000	4900	98	0	4900	98	0
Arsenic					5000	5200	104	0	5200	104	0
Barium					10000	10000	104	0	10000	104	0
Beryllium					500	510	102	0	510	102	0
Cadmium					2500	2600	104	0	2600	104	0
Calcium					400000	430000	106	0	420000	106	1
Chromium					15500	15000	97	0	15000	98	0
Cobalt					2500	2600	103	0	2600	103	0
Copper					15000	15000	100	0	15000	100	1
Iron					400000	420000	105	0	420000	105	0
Lead					25000	25000	101	0	25000	101	0
Magnesium					400000	420000	104	0	420000	104	1
Manganese					15000	15000	98	0	15000	98	0
Nickel					2500	2500	101	0	2500	101	0
Potassium					150000	160000	106	0	160000	106	0
Selenium					5000	4800	96	0	4800	96	0
Silver					1250	1300	101	0	1300	101	0
Sodium					400000	430000	107	0	430000	107	1
Thallium					5000	4700	93	0	4700	95	1
Vanadium					2500	2500	101	0	2500	101	1
Zinc					15000	14000	96	0	15000	98	1

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	Initial Calibration Verification				Continuing Calibration Verification						
	ID:				ID: CCV076				ID: CCV077		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Aluminum					400000	420000	104	0	420000	105	0
Antimony					5000	4900	97	0	4900	98	0
Arsenic					5000	5200	103	0	5200	104	0
Barium					10000	10000	103	1	10000	104	0
Beryllium					500	510	103	1	520	104	1
Cadmium					2500	2600	103	0	2600	103	0
Calcium					400000	420000	105	0	420000	105	1
Chromium					15500	15000	98	0	16000	100	0
Cobalt					2500	2500	102	0	2600	102	0
Copper					15000	15000	100	1	15000	101	0
Iron					400000	410000	104	0	420000	105	0
Lead					25000	25000	100	1	25000	101	0
Magnesium					400000	410000	103	0	420000	104	1
Manganese					15000	15000	98	1	15000	100	0
Nickel					2500	2500	101	0	2500	101	0
Potassium					150000	160000	105	0	160000	106	0
Selenium					5000	4800	95	1	4900	97	0
Silver					1250	1300	100	0	1300	102	0
Sodium					400000	420000	106	0	430000	107	0
Thallium					5000	4800	95	0	4900	97	0
Vanadium					2500	2500	100	0	2500	101	1
Zinc					15000	15000	97	0	15000	98	1

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	Initial Calibration Verification				Continuing Calibration Verification						
	ID:				ID: CCV078				ID:		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Aluminum					400000	410000	103	0			
Antimony					5000	4900	97	0			
Arsenic					5000	5100	103	0			
Barium					10000	10000	103	0			
Beryllium					500	510	101	0			
Cadmium					2500	2600	103	0			
Calcium					400000	420000	105	0			
Chromium					15500	15000	98	0			
Cobalt					2500	2500	102	0			
Copper					15000	15000	100	0			
Iron					400000	420000	104	0			
Lead					25000	25000	100	1			
Magnesium					400000	410000	103	0			
Manganese					15000	15000	99	0			
Nickel					2500	2500	101	0			
Potassium					150000	160000	104	0			
Selenium					5000	4800	96	1			
Silver					1250	1300	100	0			
Sodium					400000	420000	105	0			
Thallium					5000	4700	95	0			
Vanadium					2500	2500	100	1			
Zinc					15000	15000	97	1			