

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.: MBHKB0Initial Calibration Verification Source : MP83508Continuing Calibration Verification Source : MP83511Run Batch: LB133883 Analytical Method: ICP-AESConcentration Units: µg/L

	Initial Calibration Verification				Continuing Calibration Verification						
	ID: ICV014				ID: CCV089				ID: CCV090		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Aluminum	2500	2400	97	1	400000	410000	102	0	400000	100	0
Antimony	1000	910	91	0	5000	4900	98	0	4800	97	0
Arsenic	1000	1000	104	0	5000	5000	100	1	4900	99	0
Barium	520	520	100	1	10000	10000	104	0	10000	101	0
Beryllium	510	520	102	1	500	510	103	0	500	101	1
Cadmium	510	480	93	0	2500	2500	102	0	2500	100	0
Calcium	10000	10000	102	2	400000	410000	104	0	410000	101	0
Chromium	520	550	106	0	15500	16000	102	0	16000	101	0
Cobalt	520	500	96	0	2500	2600	102	1	2500	101	0
Copper	510	500	98	2	15000	15000	102	0	15000	100	0
Iron	10000	11000	106	1	400000	420000	104	0	410000	102	0
Lead	1000	970	97	0	25000	25000	101	0	25000	100	0
Magnesium	6000	6000	101	1	400000	420000	105	0	410000	102	0
Manganese	520	530	101	1	15000	15000	102	0	15000	100	0
Nickel	530	510	96	0	2500	2600	103	0	2500	101	0
Potassium	9900	9400	95	4	150000	160000	104	0	150000	102	0
Selenium	1000	930	93	0	5000	4900	97	0	4800	95	1
Silver	250	250	99	0	1250	1300	102	0	1300	100	0
Sodium	10000	10000	101	2	400000	410000	102	0	400000	100	0
Thallium	1000	980	98	0	5000	5000	100	0	4900	98	0
Vanadium	500	510	101	1	2500	2600	102	0	2500	101	0
Zinc	1000	1100	110	1	15000	15000	99	1	15000	99	1

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	Initial Calibration Verification				Continuing Calibration Verification						
	ID:				ID: CCV091				ID:		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Aluminum					400000	400000	99	1			
Antimony					5000	4800	96	1			
Arsenic					5000	4800	97	0			
Barium					10000	10000	100	1			
Beryllium					500	500	100	2			
Cadmium					2500	2500	99	0			
Calcium					400000	400000	100	1			
Chromium					15500	15000	100	0			
Cobalt					2500	2500	101	0			
Copper					15000	15000	99	1			
Iron					400000	400000	101	1			
Lead					25000	25000	99	0			
Magnesium					400000	400000	99	1			
Manganese					15000	15000	97	1			
Nickel					2500	2500	100	0			
Potassium					150000	150000	100	1			
Selenium					5000	4700	94	0			
Silver					1250	1200	99	0			
Sodium					400000	390000	99	1			
Thallium					5000	4900	98	0			
Vanadium					2500	2500	100	1			
Zinc					15000	14000	95	1			

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	Initial Calibration Verification				Continuing Calibration Verification						
	ID: ICV004				ID: CCV029				ID: CCV030		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Aluminum	2500	2400	95	0	400000	390000	97	0	390000	98	0
Antimony	1000	950	95	1	5000	4600	92	0	4600	93	0
Arsenic	1000	1000	104	0	5000	4700	94	1	4800	96	0
Barium	520	510	98	0	10000	9700	97	0	9800	98	0
Beryllium	510	510	99	0	500	480	96	0	480	96	0
Cadmium	510	480	94	1	2500	2400	95	0	2400	95	0
Calcium	10000	10000	101	1	400000	400000	99	0	400000	100	0
Chromium	520	530	102	0	15500	15000	95	0	15000	95	0
Cobalt	520	480	93	0	2500	2400	94	0	2400	94	0
Copper	510	490	97	1	15000	15000	98	0	15000	98	0
Iron	10000	10000	104	1	400000	400000	100	0	400000	100	0
Lead	1000	940	94	1	25000	24000	95	0	24000	95	0
Magnesium	6000	6200	103	2	400000	390000	97	0	390000	97	0
Manganese	520	520	100	0	15000	14000	97	0	15000	97	0
Nickel	530	490	93	1	2500	2400	95	0	2400	96	0
Potassium	9900	9300	94	1	150000	140000	96	0	150000	97	0
Selenium	1000	920	92	1	5000	4500	91	1	4600	92	0
Silver	250	240	98	1	1250	1200	96	0	1200	97	0
Sodium	10000	10000	101	3	400000	400000	99	0	400000	99	0
Thallium	1000	990	99	1	5000	4800	95	0	4900	97	0
Vanadium	500	500	101	2	2500	2400	96	1	2400	97	2
Zinc	1000	930	93	1	15000	15000	98	1	15000	98	0

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	Initial Calibration Verification				Continuing Calibration Verification						
	ID:				ID: CCV031				ID: CCV032		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Aluminum					400000	390000	97	1	390000	98	0
Antimony					5000	4600	92	0	4700	94	0
Arsenic					5000	4800	96	1	4900	97	0
Barium					10000	9700	97	1	10000	100	0
Beryllium					500	480	95	1	490	99	1
Cadmium					2500	2400	95	0	2400	97	0
Calcium					400000	390000	99	1	400000	100	0
Chromium					15500	15000	94	1	15000	96	0
Cobalt					2500	2400	94	0	2400	97	0
Copper					15000	14000	96	1	15000	101	0
Iron					400000	400000	99	1	400000	100	0
Lead					25000	24000	95	0	24000	96	0
Magnesium					400000	390000	96	1	390000	98	0
Manganese					15000	14000	95	1	15000	98	0
Nickel					2500	2400	95	0	2400	97	0
Potassium					150000	140000	97	1	150000	100	0
Selenium					5000	4600	92	0	4600	93	0
Silver					1250	1200	95	1	1200	97	0
Sodium					400000	390000	98	1	400000	100	0
Thallium					5000	4800	95	0	4800	97	0
Vanadium					2500	2400	95	1	2400	98	1
Zinc					15000	14000	96	0	14000	94	1

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	Initial Calibration Verification				Continuing Calibration Verification						
	ID: ICV001				ID: CCV001				ID: CCV002		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Aluminum	2500	2400	98	1	400000	400000	101	1	410000	101	1
Antimony	1000	910	91	0	5000	5000	99	0	4900	99	1
Arsenic	1000	1100	110	0	5000	5000	100	0	5100	101	0
Barium	520	520	100	1	10000	10000	102	1	10000	102	1
Beryllium	510	530	103	1	500	520	103	1	510	102	1
Cadmium	510	510	100	0	2500	2500	100	0	2500	100	1
Calcium	10000	10000	102	1	400000	410000	103	1	410000	103	1
Chromium	520	550	107	0	15500	16000	102	0	16000	101	0
Cobalt	520	510	98	0	2500	2500	101	0	2500	100	1
Copper	510	500	99	3	15000	15000	101	1	15000	102	1
Iron	10000	11000	106	0	400000	410000	103	1	420000	104	1
Lead	1000	990	99	0	25000	25000	100	0	25000	100	1
Magnesium	6000	6300	105	3	400000	410000	102	1	410000	103	1
Manganese	520	530	102	1	15000	15000	100	1	15000	101	1
Nickel	530	520	98	0	2500	2500	101	0	2500	101	1
Potassium	9900	8900	90	1	150000	150000	102	1	150000	102	1
Selenium	1000	980	98	0	5000	5000	100	1	5000	100	1
Silver	250	250	99	1	1250	1300	104	0	1300	104	0
Sodium	10000	9700	97	4	400000	400000	101	1	410000	103	0
Thallium	1000	1000	101	0	5000	4900	97	0	4900	98	1
Vanadium	500	510	102	0	2500	2500	101	0	2600	102	1
Zinc	1000	910	91	1	15000	15000	101	1	15000	102	1

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	Initial Calibration Verification				Continuing Calibration Verification						
	ID:				ID: CCV003				ID: CCV004		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Aluminum					400000	400000	101	1	400000	100	0
Antimony					5000	4800	97	0	4900	97	0
Arsenic					5000	5000	101	0	5000	100	0
Barium					10000	10000	102	1	10000	101	0
Beryllium					500	510	102	0	510	101	1
Cadmium					2500	2500	99	0	2500	98	0
Calcium					400000	410000	103	0	410000	102	0
Chromium					15500	15000	99	0	15000	99	0
Cobalt					2500	2400	98	0	2500	98	0
Copper					15000	15000	101	0	15000	101	0
Iron					400000	420000	105	1	410000	103	1
Lead					25000	25000	98	0	24000	98	0
Magnesium					400000	410000	103	1	410000	102	0
Manganese					15000	15000	101	1	15000	100	0
Nickel					2500	2500	100	0	2500	99	0
Potassium					150000	150000	102	1	150000	101	0
Selenium					5000	4900	98	0	4900	98	0
Silver					1250	1300	104	0	1300	103	0
Sodium					400000	410000	103	1	400000	101	1
Thallium					5000	4900	98	0	4800	96	0
Vanadium					2500	2600	103	0	2500	101	0
Zinc					15000	15000	103	0	15000	103	1

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	Initial Calibration Verification				Continuing Calibration Verification						
	ID:				ID: CCV005				ID:		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Aluminum					400000	410000	102	0			
Antimony					5000	5000	100	1			
Arsenic					5000	5200	103	0			
Barium					10000	10000	103	0			
Beryllium					500	510	101	0			
Cadmium					2500	2500	100	1			
Calcium					400000	420000	104	0			
Chromium					15500	16000	101	0			
Cobalt					2500	2500	101	1			
Copper					15000	15000	103	0			
Iron					400000	420000	105	0			
Lead					25000	25000	100	1			
Magnesium					400000	410000	104	0			
Manganese					15000	15000	102	0			
Nickel					2500	2500	101	1			
Potassium					150000	150000	102	0			
Selenium					5000	5000	101	1			
Silver					1250	1300	104	0			
Sodium					400000	410000	102	0			
Thallium					5000	4900	98	1			
Vanadium					2500	2600	103	1			
Zinc					15000	16000	105	1			