

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.: MBHMT4Initial Calibration Verification Source : MP83508Continuing Calibration Verification Source : MP83511Run Batch: LB134069 Analytical Method: ICP-AESConcentration Units: µg/L

	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: CCV006		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Aluminum					400000	410000	102	0	390000	98	0
Antimony					5000	5000	100	1	4800	96	0
Arsenic					5000	5200	103	0	5000	100	0
Barium					10000	10000	103	0	9900	99	0
Beryllium					500	510	101	0	490	98	0
Cadmium					2500	2500	100	1	2400	96	0
Calcium					400000	420000	104	0	400000	100	0
Chromium					15500	16000	101	0	15000	97	0
Cobalt					2500	2500	101	1	2400	97	0
Copper					15000	15000	103	0	15000	98	1
Iron					400000	420000	105	0	400000	101	0
Lead					25000	25000	100	1	24000	96	0
Magnesium					400000	410000	104	0	400000	99	0
Manganese					15000	15000	102	0	15000	98	0
Nickel					2500	2500	101	1	2400	97	0
Potassium					150000	150000	102	0	150000	97	1
Selenium					5000	5000	101	1	4800	96	0
Silver					1250	1300	104	0	1300	100	0
Sodium					400000	410000	102	0	390000	98	0
Thallium					5000	4900	98	1	4700	94	0
Vanadium					2500	2600	103	1	2500	99	1
Zinc					15000	16000	105	1	15000	99	1

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	Initial Calibration Verification				Continuing Calibration Verification						
	ID:				ID: CCV007				ID: CCV008		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Aluminum					400000	410000	102	1	380000	95	0
Antimony					5000	5000	100	0	4800	96	0
Arsenic					5000	5100	103	1	4800	97	0
Barium					10000	10000	104	1	9500	95	0
Beryllium					500	510	101	1	470	93	1
Cadmium					2500	2500	100	0	2400	94	0
Calcium					400000	410000	103	1	380000	95	0
Chromium					15500	16000	100	0	15000	95	1
Cobalt					2500	2500	101	0	2400	97	0
Copper					15000	15000	101	1	14000	94	0
Iron					400000	420000	104	1	380000	95	0
Lead					25000	25000	99	0	23000	93	0
Magnesium					400000	410000	103	1	380000	94	0
Manganese					15000	15000	102	1	14000	93	1
Nickel					2500	2500	100	0	2400	94	0
Potassium					150000	150000	101	1	140000	92	1
Selenium					5000	5000	100	0	4700	94	0
Silver					1250	1300	103	0	1200	95	0
Sodium					400000	410000	102	1	370000	92	0
Thallium					5000	4800	97	0	4500	90	0
Vanadium					2500	2600	103	1	2300	94	0
Zinc					15000	15000	102	1	15000	97	1

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Analyte	Initial Calibration Verification				Continuing Calibration Verification						
	ID:				ID: CCV009				ID: CCV010		
	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Aluminum					400000	380000	95	2	380000	96	0
Antimony					5000	4800	97	0	4800	97	0
Arsenic					5000	4800	96	0	4800	97	0
Barium					10000	9500	95	2	9600	96	0
Beryllium					500	460	93	2	470	94	1
Cadmium					2500	2400	94	0	2400	94	0
Calcium					400000	380000	95	2	380000	95	0
Chromium					15500	15000	96	0	15000	96	0
Cobalt					2500	2400	98	0	2500	98	0
Copper					15000	14000	93	2	14000	94	0
Iron					400000	380000	95	2	380000	95	0
Lead					25000	23000	93	0	23000	93	0
Magnesium					400000	370000	94	2	370000	94	0
Manganese					15000	14000	93	2	14000	93	0
Nickel					2500	2400	94	0	2300	94	0
Potassium					150000	140000	92	2	140000	92	0
Selenium					5000	4700	94	0	4700	94	0
Silver					1250	1200	95	0	1200	95	0
Sodium					400000	370000	92	2	370000	91	0
Thallium					5000	4500	91	0	4500	90	0
Vanadium					2500	2300	94	2	2300	93	1
Zinc					15000	14000	96	1	14000	96	1

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	Initial Calibration Verification				Continuing Calibration Verification						
	ID: ICV055				ID: CCV132				ID: CCV133		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Aluminum	2500	2500	99	0	400000	390000	98	1	390000	97	1
Antimony	1000	1000	102	1	5000	5000	100	0	4900	99	0
Arsenic	1000	1100	105	1	5000	4800	96	0	5000	100	0
Barium	520	520	99	0	10000	10000	101	1	9900	99	1
Beryllium	510	520	101	0	500	510	102	1	500	99	1
Cadmium	510	500	98	0	2500	2500	101	0	2500	99	0
Calcium	10000	10000	103	1	400000	400000	101	1	400000	100	0
Chromium	520	540	104	0	15500	16000	103	0	16000	101	1
Cobalt	520	470	91	0	2500	2500	102	0	2500	100	0
Copper	510	560	109	0	15000	15000	101	0	15000	101	1
Iron	10000	10000	101	1	400000	400000	99	1	390000	97	0
Lead	1000	970	97	0	25000	25000	100	0	25000	98	0
Magnesium	6000	5900	98	3	400000	400000	100	1	380000	95	0
Manganese	520	510	98	0	15000	15000	100	1	14000	93	1
Nickel	530	520	99	0	2500	2500	101	0	2500	100	1
Potassium	9900	10000	104	3	150000	160000	104	1	150000	100	1
Selenium	1000	1000	105	0	5000	5100	101	0	5000	99	1
Silver	250	250	101	0	1250	1300	104	1	1300	101	0
Sodium	10000	9400	94	0	400000	410000	103	1	410000	102	1
Thallium	1000	980	98	0	5000	4900	98	0	4800	96	0
Vanadium	500	530	105	0	2500	2500	100	0	2500	98	1
Zinc	1000	1100	110	0	15000	15000	101	0	15000	98	1

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	Initial Calibration Verification				Continuing Calibration Verification						
	ID:				ID: CCV134				ID: CCV135		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Aluminum					400000	390000	96	0	370000	92	2
Antimony					5000	4900	98	1	4900	98	0
Arsenic					5000	4800	97	0	4800	97	0
Barium					10000	10000	101	0	9700	97	2
Beryllium					500	510	101	0	490	98	1
Cadmium					2500	2500	99	0	2500	98	0
Calcium					400000	400000	100	0	380000	96	2
Chromium					15500	16000	101	0	15000	98	0
Cobalt					2500	2500	100	0	2500	99	0
Copper					15000	15000	100	0	15000	97	1
Iron					400000	390000	97	0	370000	93	2
Lead					25000	24000	98	0	24000	97	0
Magnesium					400000	390000	98	0	370000	93	2
Manganese					15000	15000	97	0	14000	94	2
Nickel					2500	2500	99	0	2500	99	0
Potassium					150000	150000	102	0	150000	99	2
Selenium					5000	4900	99	1	4900	98	0
Silver					1250	1300	101	0	1200	98	0
Sodium					400000	410000	102	0	400000	100	1
Thallium					5000	4800	95	0	4700	95	0
Vanadium					2500	2500	99	0	2400	96	1
Zinc					15000	15000	99	1	15000	97	0

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	Initial Calibration Verification				Continuing Calibration Verification						
	ID:				ID: CCV136				ID: CCV137		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Aluminum					400000	370000	92	1	380000	96	0
Antimony					5000	4800	97	1	5000	99	0
Arsenic					5000	4900	97	0	4900	97	0
Barium					10000	9700	97	1	10000	101	0
Beryllium					500	490	97	1	510	103	0
Cadmium					2500	2400	97	0	2500	99	0
Calcium					400000	380000	95	1	400000	99	0
Chromium					15500	15000	98	0	16000	101	0
Cobalt					2500	2400	98	0	2500	100	0
Copper					15000	14000	96	1	15000	101	1
Iron					400000	370000	92	1	380000	96	0
Lead					25000	24000	95	0	24000	98	0
Magnesium					400000	370000	93	0	390000	97	0
Manganese					15000	14000	92	1	15000	97	0
Nickel					2500	2400	97	0	2500	100	0
Potassium					150000	150000	98	1	150000	102	0
Selenium					5000	4800	96	1	5000	99	1
Silver					1250	1200	98	0	1300	101	0
Sodium					400000	390000	99	0	410000	104	0
Thallium					5000	4600	93	0	4800	95	0
Vanadium					2500	2400	96	1	2500	101	0
Zinc					15000	15000	97	0	15000	100	0