

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.: MBHMR4Initial Calibration Verification Source : MP83508Continuing Calibration Verification Source : MP83511Run Batch: LB134242 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	97	1	400000	390000	98	1	400000	99	1
Antimony	1000	1000	100	1	5000	4800	95	0	4700	94	0
Arsenic	1000	990	99	0	5000	4800	96	0	4700	94	0
Barium	520	490	95	1	10000	10000	102	0	10000	102	0
Beryllium	510	510	100	1	500	510	101	1	490	98	0
Cadmium	510	490	97	0	2500	2500	99	0	2500	98	0
Calcium	10000	9300	93	1	400000	400000	99	0	400000	99	1
Chromium	520	540	104	0	15500	15000	100	0	15000	99	0
Cobalt	520	500	96	0	2500	2500	100	0	2500	98	0
Copper	510	490	97	1	15000	15000	101	1	15000	98	0
Iron	10000	9500	95	0	400000	390000	98	1	390000	99	1
Lead	1000	980	98	0	25000	25000	99	0	24000	97	0
Magnesium	6000	5700	96	0	250000	250000	98	1	250000	99	0
Manganese	520	500	97	1	15000	15000	101	1	15000	101	1
Nickel	530	510	95	0	2500	2500	100	0	2500	98	0
Potassium	9900	9900	100	1	150000	150000	101	1	150000	102	1
Selenium	1000	1100	108	0	5000	4800	96	0	4800	95	0
Silver	250	230	92	0	1250	1200	99	0	1200	99	0
Sodium	10000	9800	98	0	400000	410000	104	0	400000	100	0
Thallium	1000	1000	105	1	5000	4900	98	1	4800	96	0
Vanadium	500	510	102	1	2500	2500	101	0	2400	97	0
Zinc	1000	1100	108	0	15000	16000	106	0	16000	105	0

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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	390000	97	1	390000	96	2
Antimony					5000	4600	93	0	4700	93	1
Arsenic					5000	4700	93	0	4700	95	0
Barium					10000	10000	100	1	9900	99	0
Beryllium					500	490	99	0	490	99	1
Cadmium					2500	2400	97	0	2500	98	0
Calcium					400000	390000	97	0	390000	98	1
Chromium					15500	15000	98	0	15000	99	1
Cobalt					2500	2400	98	0	2500	99	0
Copper					15000	15000	98	0	15000	98	0
Iron					400000	390000	98	0	390000	98	1
Lead					25000	24000	96	0	24000	97	0
Magnesium					250000	250000	98	0	240000	98	1
Manganese					15000	15000	100	0	15000	99	1
Nickel					2500	2400	97	0	2500	99	0
Potassium					150000	150000	100	0	150000	99	1
Selenium					5000	4700	94	0	4800	96	1
Silver					1250	1200	98	0	1200	98	1
Sodium					400000	400000	99	0	400000	99	0
Thallium					5000	4700	95	0	4800	95	1
Vanadium					2500	2400	97	0	2400	96	1
Zinc					15000	16000	105	0	16000	105	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	390000	97	1	380000	95	0
Antimony					5000	4600	93	0	4500	90	0
Arsenic					5000	4700	93	0	4500	91	0
Barium					10000	9800	98	0	9500	95	1
Beryllium					500	500	99	1	490	98	0
Cadmium					2500	2400	98	0	2400	96	0
Calcium					400000	390000	97	1	380000	95	1
Chromium					15500	15000	99	0	15000	97	0
Cobalt					2500	2500	98	0	2400	96	0
Copper					15000	15000	97	0	15000	97	0
Iron					400000	390000	96	0	380000	96	0
Lead					25000	24000	97	0	24000	95	0
Magnesium					250000	240000	97	1	240000	96	0
Manganese					15000	15000	98	1	14000	96	0
Nickel					2500	2400	98	0	2400	96	0
Potassium					150000	150000	99	1	140000	95	0
Selenium					5000	4700	94	0	4600	92	0
Silver					1250	1200	99	0	1200	97	0
Sodium					400000	390000	98	0	390000	97	0
Thallium					5000	4700	95	0	4700	95	1
Vanadium					2500	2400	95	0	2400	95	0
Zinc					15000	16000	106	0	15000	103	0

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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	360000	90	1	370000	93	1
Antimony					5000	4600	92	0	4500	91	0
Arsenic					5000	4700	94	0	4600	91	0
Barium					10000	9000	90	1	9600	96	0
Beryllium					500	520	105	1	520	103	1
Cadmium					2500	2400	97	0	2400	96	0
Calcium					400000	370000	92	2	380000	95	1
Chromium					15500	15000	96	0	15000	96	0
Cobalt					2500	2400	96	0	2400	95	0
Copper					15000	14000	94	0	14000	96	0
Iron					400000	370000	92	1	380000	95	1
Lead					25000	24000	94	0	23000	94	0
Magnesium					250000	230000	92	1	240000	96	1
Manganese					15000	14000	92	1	14000	96	1
Nickel					2500	2400	96	0	2400	95	0
Potassium					150000	140000	92	1	140000	93	1
Selenium					5000	4700	95	0	4600	92	0
Silver					1250	1200	94	0	1200	95	0
Sodium					400000	370000	93	0	380000	95	0
Thallium					5000	4700	94	0	4700	94	1
Vanadium					2500	2300	91	0	2300	94	0
Zinc					15000	14000	96	0	15000	99	0

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	Initial Calibration Verification				Continuing Calibration Verification						
	ID:				ID: CCV009				ID: CCV010		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Aluminum					400000	370000	92	1	360000	91	1
Antimony					5000	4600	92	0	4700	94	0
Arsenic					5000	4600	93	0	4700	94	0
Barium					10000	9500	95	1	9600	96	1
Beryllium					500	520	103	0	530	105	0
Cadmium					2500	2500	99	0	2600	104	0
Calcium					400000	370000	93	1	370000	92	1
Chromium					15500	15000	96	0	15000	95	0
Cobalt					2500	2400	95	0	2300	93	0
Copper					15000	14000	95	0	14000	95	0
Iron					400000	370000	93	0	370000	93	0
Lead					25000	23000	94	0	23000	92	0
Magnesium					250000	230000	94	0	230000	94	0
Manganese					15000	14000	94	0	14000	93	0
Nickel					2500	2400	94	0	2300	93	0
Potassium					150000	140000	92	0	140000	91	0
Selenium					5000	4700	94	0	4700	95	0
Silver					1250	1200	95	0	1300	105	0
Sodium					400000	380000	94	0	370000	93	0
Thallium					5000	4600	92	1	4600	92	0
Vanadium					2500	2300	94	0	2300	93	0
Zinc					15000	15000	99	1	15000	99	0

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	Initial Calibration Verification				Continuing Calibration Verification						
	ID:				ID: CCV011				ID: CCV012		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Aluminum					400000	360000	91	1	370000	91	1
Antimony					5000	4600	93	0	4600	93	0
Arsenic					5000	4700	93	0	4700	93	0
Barium					10000	9300	93	1	9400	94	1
Beryllium					500	530	105	0	520	104	1
Cadmium					2500	2600	104	0	2600	103	0
Calcium					400000	370000	91	1	370000	93	1
Chromium					15500	15000	95	0	15000	96	0
Cobalt					2500	2300	93	0	2300	94	0
Copper					15000	14000	93	0	14000	95	0
Iron					400000	370000	92	0	370000	93	0
Lead					25000	23000	92	0	23000	93	0
Magnesium					250000	230000	92	0	240000	94	0
Manganese					15000	14000	93	0	14000	94	0
Nickel					2500	2300	93	0	2300	94	0
Potassium					150000	140000	91	0	140000	91	1
Selenium					5000	4700	94	0	4700	94	0
Silver					1250	1300	105	0	1300	107	0
Sodium					400000	370000	91	0	370000	93	0
Thallium					5000	4500	90	1	4500	90	1
Vanadium					2500	2300	91	0	2300	93	0
Zinc					15000	15000	99	0	15000	99	0