

FORM 2 - IN

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011Lab Code: ACE Case No.: 51952 MA No. : SDG No.: A6301Initial Calibration Verification Source : MP84051Continuing Calibration Verification Source : MP84052Run Batch: LB134522 Analytical Method: ICP-MSConcentration Units: µg/L

	Initial Calibration Verification				Continuing Calibration Verification						
	ID: ICV002				ID: CCV011				ID: CCV012		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Aluminum	500	500	99	0	50000	50000	99	0	50000	101	2
Antimony	200	210	104	2	500	490	98	4	500	99	1
Arsenic	200	210	106	1	500	510	103	1	530	106	3
Barium	100	100	103	1	2500	2500	100	3	2500	99	1
Beryllium	100	110	106	1	500	490	97	1	490	98	2
Cadmium	100	110	107	2	500	490	97	3	490	97	1
Calcium	2000	2300	116	3	250000	250000	99	3	250000	100	1
Chromium	100	100	103	1	500	510	102	0	520	104	3
Cobalt	100	100	103	0	500	510	103	0	530	107	3
Copper	100	110	107	1	5000	5000	100	1	5200	105	3
Iron	2000	2200	109	1	125000	130000	102	1	130000	106	2
Lead	200	190	97	1	2500	2500	101	3	2500	101	1
Magnesium	1200	1200	98	1	250000	250000	101	1	260000	103	2
Manganese	100	100	102	0	5000	5000	100	1	5200	103	3
Nickel	110	110	98	1	500	500	100	1	520	105	3
Potassium	2000	2000	99	1	125000	120000	99	0	130000	101	3
Selenium	200	210	106	2	500	490	98	3	490	98	0
Silver	50.0	51	102	2	500	480	97	3	480	96	1
Sodium	2000	2100	104	1	250000	250000	101	0	260000	104	2
Thallium	210	200	94	0	500	510	102	3	510	101	1
Vanadium	100	99	99	1	500	510	102	1	530	105	2
Zinc	200	200	102	1	5000	4900	98	1	5300	105	3

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	Initial Calibration Verification				Continuing Calibration Verification						
	ID:				ID: CCV013				ID: CCV014		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Aluminum					50000	49000	98	2	49000	98	1
Antimony					500	490	98	1	490	98	2
Arsenic					500	500	101	1	510	103	0
Barium					2500	2500	99	1	2400	98	1
Beryllium					500	500	99	0	490	98	1
Cadmium					500	480	96	1	480	97	1
Calcium					250000	250000	100	1	250000	99	2
Chromium					500	500	101	1	510	101	0
Cobalt					500	520	104	2	520	105	1
Copper					5000	5100	102	1	5100	102	0
Iron					125000	130000	103	2	130000	103	1
Lead					2500	2500	101	1	2500	101	0
Magnesium					250000	250000	99	1	250000	100	1
Manganese					5000	5000	100	1	5000	100	1
Nickel					500	500	101	1	510	102	1
Potassium					125000	120000	98	1	120000	99	1
Selenium					500	490	98	1	500	99	1
Silver					500	480	96	1	500	100	1
Sodium					250000	250000	101	2	250000	102	1
Thallium					500	510	102	1	510	101	1
Vanadium					500	510	102	1	510	102	1
Zinc					5000	5100	102	1	5100	101	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	500	480	95	2	50000	48000	97	1	48000	96	0
Antimony	200	210	104	0	500	500	100	2	500	100	1
Arsenic	200	210	104	1	500	490	99	0	500	99	1
Barium	100	100	103	1	2500	2500	101	2	2500	100	1
Beryllium	100	100	104	1	500	520	103	2	500	101	1
Cadmium	100	110	106	1	500	490	99	2	490	98	2
Calcium	2000	2100	107	0	250000	230000	93	2	230000	93	1
Chromium	100	100	103	1	500	510	102	0	510	103	2
Cobalt	100	110	106	1	500	490	99	1	500	101	1
Copper	100	110	107	2	5000	4800	96	2	4800	96	1
Iron	2000	2000	100	1	125000	120000	97	0	120000	98	2
Lead	200	210	103	2	2500	2600	103	2	2600	103	1
Magnesium	1200	1100	94	1	250000	240000	95	2	240000	96	0
Manganese	100	100	102	1	5000	5000	100	1	5000	100	2
Nickel	110	110	96	1	500	460	92	1	460	93	0
Potassium	2000	1900	95	1	125000	120000	95	1	120000	95	0
Selenium	200	210	106	2	500	490	99	1	490	97	1
Silver	50.0	50	99	1	500	490	97	1	480	96	1
Sodium	2000	2000	102	1	250000	230000	94	1	240000	96	1
Thallium	210	200	97	1	500	520	104	3	520	103	0
Vanadium	100	99	99	1	500	510	102	1	510	103	1
Zinc	200	200	102	2	5000	4800	96	1	4800	97	2

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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					50000	48000	96	1	48000	96	0
Antimony					500	500	100	1	500	100	1
Arsenic					500	490	99	2	500	100	1
Barium					2500	2600	102	0	2500	101	2
Beryllium					500	490	99	2	500	100	1
Cadmium					500	490	98	2	500	100	1
Calcium					250000	230000	93	1	240000	95	1
Chromium					500	510	102	1	520	103	0
Cobalt					500	500	100	1	500	100	1
Copper					5000	4800	95	1	4800	96	1
Iron					125000	120000	96	2	120000	96	0
Lead					2500	2600	103	1	2600	104	1
Magnesium					250000	240000	97	1	240000	97	1
Manganese					5000	5000	99	1	4900	99	0
Nickel					500	460	92	1	460	92	1
Potassium					125000	120000	95	1	120000	96	1
Selenium					500	480	97	1	490	98	0
Silver					500	490	97	1	480	97	2
Sodium					250000	240000	97	2	250000	98	1
Thallium					500	520	104	0	520	104	2
Vanadium					500	510	101	0	520	103	0
Zinc					5000	4800	95	1	4800	96	1

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Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
 Lab Code: ACE Case No.: 51952 MA No. : SDG No.: A6301
 Initial Calibration Verification Source : MP84051
 Continuing Calibration Verification Source : MP84052
 Run Batch: LB134612 Analytical Method: ICP-MS
 Concentration Units: µg/L

	Initial Calibration Verification				Continuing Calibration Verification						
	ID:				ID: CCV005				ID: CCV006		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Aluminum					50000	49000	98	4	47000	95	0
Antimony					500	500	99	1	500	101	1
Arsenic					500	500	101	5	490	98	0
Barium					2500	2500	100	1	2500	102	1
Beryllium					500	480	97	2	490	99	1
Cadmium					500	490	98	2	500	99	2
Calcium					250000	230000	93	2	230000	94	3
Chromium					500	510	103	5	490	98	1
Cobalt					500	500	100	4	480	97	2
Copper					5000	4800	96	5	4700	93	1
Iron					125000	120000	97	5	120000	95	1
Lead					2500	2500	100	2	2600	102	1
Magnesium					250000	240000	98	6	240000	95	0
Manganese					5000	5000	100	5	4800	96	2
Nickel					500	460	93	5	450	90	1
Potassium					125000	120000	97	4	120000	95	1
Selenium					500	470	94	2	480	96	1
Silver					500	480	95	1	480	97	3
Sodium					250000	250000	99	5	240000	96	1
Thallium					500	500	101	2	510	103	1
Vanadium					500	510	103	5	500	100	2
Zinc					5000	4800	96	5	4700	94	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					50000	49000	98	4	47000	94	1
Antimony					500	490	97	3	490	99	1
Arsenic					500	510	102	5	490	98	1
Barium					2500	2400	98	2	2500	100	2
Beryllium					500	470	94	3	480	95	2
Cadmium					500	480	96	3	490	98	2
Calcium					250000	230000	91	2	230000	93	2
Chromium					500	510	102	3	480	96	1
Cobalt					500	500	100	4	480	97	0
Copper					5000	4800	95	3	4600	92	0
Iron					125000	120000	98	4	120000	95	0
Lead					2500	2500	98	3	2500	99	1
Magnesium					250000	250000	98	4	240000	95	2
Manganese					5000	5000	100	4	4700	95	2
Nickel					500	460	93	3	510	101	0
Potassium					125000	120000	98	4	120000	94	1
Selenium					500	470	93	3	490	97	1
Silver					500	470	95	4	480	96	1
Sodium					250000	250000	100	5	240000	96	1
Thallium					500	500	100	5	510	101	1
Vanadium					500	520	103	4	490	98	1
Zinc					5000	4800	96	4	4600	92	1