

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.: MBHLL1Initial Calibration Verification Source : MP83508Continuing Calibration Verification Source : MP83511Run Batch: LB134114 Analytical Method: ICP-AESConcentration Units: µg/L

	Initial Calibration Verification				Continuing Calibration Verification						
	ID: ICV003				ID: CCV019				ID: CCV020		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Aluminum	2500	2400	95	2	400000	400000	101	0	410000	102	0
Antimony	1000	920	92	0	5000	4800	97	0	4800	97	0
Arsenic	1000	1100	109	1	5000	5000	99	0	5000	101	0
Barium	520	510	99	0	10000	10000	103	0	10000	103	0
Beryllium	510	510	100	2	500	510	102	1	510	103	0
Cadmium	510	490	97	0	2500	2500	99	0	2500	99	0
Calcium	10000	10000	100	1	400000	400000	101	0	410000	101	0
Chromium	520	530	102	0	15500	15000	99	0	15000	100	0
Cobalt	520	490	95	0	2500	2500	100	1	2500	100	0
Copper	510	490	95	1	15000	15000	101	0	15000	101	0
Iron	10000	10000	104	1	400000	410000	103	0	410000	103	0
Lead	1000	960	96	0	25000	25000	99	0	25000	98	0
Magnesium	6000	6100	102	0	400000	410000	102	0	410000	102	0
Manganese	520	530	101	0	15000	15000	101	0	15000	101	0
Nickel	530	500	94	0	2500	2500	100	0	2500	100	0
Potassium	9900	9300	94	2	150000	150000	102	0	160000	104	0
Selenium	1000	900	90	1	5000	4700	94	1	4600	93	0
Silver	250	240	96	0	1250	1300	101	1	1300	102	0
Sodium	10000	9400	94	2	400000	410000	101	0	410000	103	1
Thallium	1000	1000	100	1	5000	4900	98	0	4900	98	0
Vanadium	500	510	102	2	2500	2500	102	1	2500	101	0
Zinc	1000	970	97	0	15000	14000	96	0	14000	96	0

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	Initial Calibration Verification				Continuing Calibration Verification						
	ID:				ID: CCV021				ID: CCV022		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Aluminum					400000	400000	101	1	410000	103	0
Antimony					5000	4900	97	0	4900	97	0
Arsenic					5000	5000	101	0	5100	102	0
Barium					10000	10000	102	1	10000	105	0
Beryllium					500	510	102	0	530	106	1
Cadmium					2500	2500	101	0	2500	100	0
Calcium					400000	400000	100	0	410000	103	0
Chromium					15500	16000	103	3	16000	101	0
Cobalt					2500	2500	101	0	2500	101	0
Copper					15000	15000	100	1	15000	103	0
Iron					400000	400000	101	1	420000	104	0
Lead					25000	25000	100	0	25000	100	0
Magnesium					400000	400000	100	0	410000	104	1
Manganese					15000	15000	99	0	15000	102	1
Nickel					2500	2500	101	0	2500	100	0
Potassium					150000	150000	102	1	160000	107	1
Selenium					5000	4900	99	1	4900	98	0
Silver					1250	1200	100	2	1200	99	0
Sodium					400000	410000	102	1	430000	106	1
Thallium					5000	4900	98	0	4900	98	0
Vanadium					2500	2500	100	1	2600	103	1
Zinc					15000	15000	101	3	15000	99	0

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	Initial Calibration Verification				Continuing Calibration Verification						
	ID:				ID: CCV023				ID: CCV024		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Aluminum					400000	400000	99	1	390000	96	0
Antimony					5000	4700	93	0	4600	92	0
Arsenic					5000	4900	98	0	4900	98	0
Barium					10000	10000	101	1	9800	98	0
Beryllium					500	510	102	1	490	98	1
Cadmium					2500	2400	97	0	2400	95	0
Calcium					400000	400000	100	1	390000	98	0
Chromium					15500	15000	97	0	15000	95	0
Cobalt					2500	2400	98	0	2400	96	0
Copper					15000	15000	100	0	15000	97	0
Iron					400000	400000	100	1	390000	98	0
Lead					25000	24000	96	0	24000	94	0
Magnesium					400000	400000	100	1	390000	98	0
Manganese					15000	15000	99	1	14000	97	0
Nickel					2500	2400	97	0	2400	95	0
Potassium					150000	150000	103	0	150000	101	0
Selenium					5000	4700	95	0	4600	93	0
Silver					1250	1200	95	0	1200	93	0
Sodium					400000	410000	102	1	400000	99	1
Thallium					5000	4700	94	0	4600	92	0
Vanadium					2500	2500	99	1	2400	97	1
Zinc					15000	14000	95	1	14000	93	1

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	Initial Calibration Verification				Continuing Calibration Verification						
	ID: ICV051				ID: CCV100				ID: CCV101		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Aluminum	2500	2400	96	0	400000	410000	102	1	410000	103	1
Antimony	1000	910	91	0	5000	4900	99	0	5000	101	0
Arsenic	1000	1100	108	1	5000	5000	100	0	5000	100	0
Barium	520	520	100	0	10000	10000	103	0	10000	103	0
Beryllium	510	530	104	1	500	520	103	0	520	104	1
Cadmium	510	500	98	0	2500	2500	100	0	2500	102	0
Calcium	10000	10000	102	1	400000	410000	104	0	410000	103	0
Chromium	520	550	106	0	15500	16000	102	0	16000	103	0
Cobalt	520	510	97	0	2500	2500	101	0	2600	103	0
Copper	510	500	97	4	15000	15000	103	0	16000	104	0
Iron	10000	10000	103	1	400000	410000	103	0	420000	104	0
Lead	1000	980	98	0	25000	25000	100	0	25000	101	0
Magnesium	6000	6200	104	2	400000	410000	103	0	420000	104	1
Manganese	520	540	103	1	15000	15000	103	1	16000	103	1
Nickel	530	520	97	0	2500	2500	101	0	2600	102	0
Potassium	9900	9200	93	2	150000	160000	105	0	160000	106	0
Selenium	1000	950	95	1	5000	5000	99	0	5000	100	1
Silver	250	250	99	1	1250	1300	102	0	1300	102	0
Sodium	10000	10000	104	1	400000	420000	104	0	420000	105	1
Thallium	1000	1000	100	1	5000	4900	98	0	5000	99	0
Vanadium	500	510	103	3	2500	2600	104	0	2600	104	1
Zinc	1000	950	95	0	15000	15000	100	0	15000	101	0

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	Initial Calibration Verification				Continuing Calibration Verification						
	ID:				ID: CCV102				ID: CCV103		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Aluminum					400000	430000	108	7	400000	101	1
Antimony					5000	5000	100	2	4900	98	0
Arsenic					5000	5000	100	0	4900	98	0
Barium					10000	11000	106	7	10000	101	0
Beryllium					500	540	108	6	510	103	1
Cadmium					2500	2500	101	2	2500	99	0
Calcium					400000	430000	107	7	410000	101	0
Chromium					15500	16000	101	1	15000	100	0
Cobalt					2500	2600	102	2	2500	100	0
Copper					15000	16000	108	7	15000	102	0
Iron					400000	430000	109	7	410000	101	1
Lead					25000	25000	101	2	25000	99	0
Magnesium					400000	430000	108	7	410000	102	1
Manganese					15000	16000	108	7	15000	101	1
Nickel					2500	2500	102	2	2500	100	0
Potassium					150000	160000	108	7	150000	103	1
Selenium					5000	5000	99	2	4900	98	0
Silver					1250	1300	101	1	1200	100	0
Sodium					400000	440000	110	6	420000	104	0
Thallium					5000	4900	98	2	4900	97	0
Vanadium					2500	2700	109	7	2500	101	1
Zinc					15000	15000	100	1	15000	98	0

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	Initial Calibration Verification				Continuing Calibration Verification						
	ID:				ID: CCV104				ID: CCV105		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Aluminum					400000	410000	102	1	400000	101	0
Antimony					5000	5000	100	0	4900	98	0
Arsenic					5000	5100	102	0	5000	100	0
Barium					10000	10000	104	0	10000	103	0
Beryllium					500	530	105	0	520	104	0
Cadmium					2500	2500	102	0	2500	100	0
Calcium					400000	420000	104	1	410000	102	0
Chromium					15500	16000	102	1	16000	100	0
Cobalt					2500	2600	102	0	2500	101	0
Copper					15000	16000	104	1	15000	103	0
Iron					400000	410000	103	0	410000	102	0
Lead					25000	25000	101	0	25000	100	0
Magnesium					400000	410000	103	0	410000	101	0
Manganese					15000	15000	103	0	15000	102	0
Nickel					2500	2600	103	0	2500	101	0
Potassium					150000	160000	104	1	150000	103	1
Selenium					5000	5000	100	0	4900	98	0
Silver					1250	1300	102	0	1300	101	0
Sodium					400000	420000	105	1	410000	102	0
Thallium					5000	5000	99	0	4900	98	0
Vanadium					2500	2600	103	1	2500	102	1
Zinc					15000	15000	100	1	15000	98	1

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	Initial Calibration Verification				Continuing Calibration Verification						
	ID:				ID: CCV106				ID: CCV107		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Aluminum					400000	400000	100	0	400000	100	0
Antimony					5000	4900	98	0	4900	98	0
Arsenic					5000	5000	100	0	5000	100	0
Barium					10000	10000	102	0	10000	102	0
Beryllium					500	510	102	1	520	103	0
Cadmium					2500	2500	100	0	2500	100	0
Calcium					400000	410000	102	0	410000	102	0
Chromium					15500	15000	100	0	15000	99	0
Cobalt					2500	2500	100	0	2500	100	0
Copper					15000	15000	102	0	15000	102	0
Iron					400000	400000	101	0	410000	102	0
Lead					25000	25000	99	0	25000	99	0
Magnesium					400000	400000	101	0	410000	101	0
Manganese					15000	15000	101	0	15000	101	0
Nickel					2500	2500	101	0	2500	100	0
Potassium					150000	150000	101	1	150000	101	0
Selenium					5000	4900	99	0	4900	98	0
Silver					1250	1300	101	0	1200	100	0
Sodium					400000	410000	102	0	410000	104	1
Thallium					5000	4900	97	0	4800	97	0
Vanadium					2500	2500	101	0	2500	101	1
Zinc					15000	15000	97	0	15000	97	0

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	Initial Calibration Verification				Continuing Calibration Verification						
	ID:				ID: CCV108				ID: CCV109		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Aluminum					400000	410000	101	0	410000	103	0
Antimony					5000	4900	98	0	5000	99	0
Arsenic					5000	5000	99	0	4900	99	0
Barium					10000	10000	101	0	10000	102	1
Beryllium					500	520	103	1	520	104	1
Cadmium					2500	2500	100	0	2500	101	0
Calcium					400000	410000	102	0	410000	103	1
Chromium					15500	16000	100	0	16000	102	0
Cobalt					2500	2500	101	0	2500	102	0
Copper					15000	15000	102	0	16000	103	1
Iron					400000	410000	103	0	420000	104	1
Lead					25000	25000	99	0	25000	100	0
Magnesium					400000	410000	103	1	420000	105	1
Manganese					15000	15000	102	0	15000	103	0
Nickel					2500	2500	101	0	2500	101	0
Potassium					150000	150000	101	0	150000	102	1
Selenium					5000	4900	98	0	4900	99	0
Silver					1250	1200	100	0	1300	101	0
Sodium					400000	420000	106	1	430000	108	0
Thallium					5000	4900	98	0	4900	98	0
Vanadium					2500	2500	102	1	2600	103	2
Zinc					15000	15000	99	0	15000	100	0