

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.: MBHMK3Initial Calibration Verification Source : MP83508Continuing Calibration Verification Source : MP83511Run Batch: LB134162 Analytical Method: ICP-AESConcentration Units: µg/L

	Initial Calibration Verification				Continuing Calibration Verification						
	ID: ICV052				ID: CCV112				ID: CCV113		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Aluminum	2500	2400	97	1	400000	420000	104	1	410000	102	0
Antimony	1000	910	91	1	5000	5000	101	0	5000	99	0
Arsenic	1000	1100	107	0	5000	5100	102	0	5000	101	0
Barium	520	510	98	1	10000	10000	105	1	10000	104	0
Beryllium	510	530	103	1	500	520	105	1	520	103	1
Cadmium	510	500	98	0	2500	2600	103	0	2500	101	0
Calcium	10000	10000	102	1	400000	420000	105	1	410000	104	0
Chromium	520	550	106	0	15500	16000	104	0	16000	102	0
Cobalt	520	510	97	0	2500	2600	103	0	2500	102	0
Copper	510	490	95	2	15000	16000	105	1	15000	103	0
Iron	10000	10000	104	1	400000	420000	105	0	410000	103	1
Lead	1000	990	99	0	25000	25000	102	0	25000	100	0
Magnesium	6000	6100	102	1	400000	420000	105	1	410000	102	0
Manganese	520	530	102	1	15000	16000	104	1	15000	102	1
Nickel	530	520	97	0	2500	2600	103	0	2500	102	0
Potassium	9900	9300	94	2	150000	160000	107	1	160000	105	1
Selenium	1000	970	97	1	5000	5100	101	0	5000	100	0
Silver	250	250	99	1	1250	1300	104	0	1300	102	0
Sodium	10000	10000	104	1	400000	430000	107	1	420000	105	1
Thallium	1000	1000	101	1	5000	5000	99	0	4900	98	0
Vanadium	500	510	102	4	2500	2600	104	1	2500	102	0
Zinc	1000	950	95	0	15000	15000	102	1	15000	99	0

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	Initial Calibration Verification				Continuing Calibration Verification						
	ID:				ID: CCV114				ID: CCV115		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Aluminum					400000	400000	101	0	400000	100	1
Antimony					5000	4900	99	1	5000	100	1
Arsenic					5000	5000	101	0	5100	101	0
Barium					10000	10000	103	1	10000	102	0
Beryllium					500	510	103	0	510	102	1
Cadmium					2500	2500	100	1	2500	102	1
Calcium					400000	410000	103	0	410000	102	0
Chromium					15500	16000	100	3	16000	101	0
Cobalt					2500	2500	101	1	2600	102	1
Copper					15000	15000	102	0	15000	102	0
Iron					400000	410000	102	1	410000	102	1
Lead					25000	25000	99	1	25000	101	1
Magnesium					400000	410000	101	0	400000	101	1
Manganese					15000	15000	101	1	15000	100	1
Nickel					2500	2500	101	1	2600	103	1
Potassium					150000	160000	105	0	160000	103	0
Selenium					5000	5000	99	1	5100	101	1
Silver					1250	1300	101	2	1300	102	0
Sodium					400000	420000	104	1	420000	104	1
Thallium					5000	4900	97	1	4900	99	1
Vanadium					2500	2500	101	1	2500	100	0
Zinc					15000	15000	98	3	15000	99	0

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	Initial Calibration Verification				Continuing Calibration Verification						
	ID:				ID: CCV116				ID: CCV117		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Aluminum					400000	410000	102	2	410000	102	0
Antimony					5000	5000	100	0	5000	100	0
Arsenic					5000	5100	101	0	5100	101	0
Barium					10000	10000	104	1	10000	103	0
Beryllium					500	520	104	1	520	104	1
Cadmium					2500	2500	101	0	2500	101	0
Calcium					400000	420000	104	1	410000	103	0
Chromium					15500	16000	102	0	16000	102	0
Cobalt					2500	2500	101	0	2500	102	0
Copper					15000	16000	104	1	15000	103	0
Iron					400000	410000	103	2	410000	103	1
Lead					25000	25000	100	0	25000	101	0
Magnesium					400000	410000	102	2	410000	103	0
Manganese					15000	15000	102	1	15000	101	1
Nickel					2500	2500	102	0	2500	102	0
Potassium					150000	160000	105	1	160000	105	0
Selenium					5000	5100	101	0	5000	100	0
Silver					1250	1300	103	0	1300	102	0
Sodium					400000	420000	105	2	420000	106	1
Thallium					5000	4900	98	0	4900	99	0
Vanadium					2500	2500	102	1	2500	101	0
Zinc					15000	15000	99	1	15000	101	0

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	Initial Calibration Verification				Continuing Calibration Verification						
	ID:				ID: CCV118				ID: CCV119		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Aluminum					400000	410000	102	2	400000	99	2
Antimony					5000	5000	100	1	5000	100	1
Arsenic					5000	5100	101	0	5000	100	0
Barium					10000	10000	104	2	10000	100	2
Beryllium					500	520	104	2	500	101	1
Cadmium					2500	2500	101	1	2500	101	1
Calcium					400000	410000	104	2	400000	100	2
Chromium					15500	16000	102	2	16000	103	2
Cobalt					2500	2500	102	1	2600	102	1
Copper					15000	15000	103	2	15000	100	2
Iron					400000	410000	103	2	400000	100	2
Lead					25000	25000	100	1	25000	101	1
Magnesium					400000	410000	103	2	400000	100	2
Manganese					15000	15000	102	2	15000	98	2
Nickel					2500	2500	102	1	2600	102	1
Potassium					150000	160000	104	2	150000	101	2
Selenium					5000	5000	100	1	5000	100	1
Silver					1250	1300	102	2	1300	103	2
Sodium					400000	420000	105	4	410000	102	2
Thallium					5000	4900	99	1	4900	99	1
Vanadium					2500	2500	101	2	2500	98	1
Zinc					15000	15000	100	1	15000	102	2

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	Initial Calibration Verification				Continuing Calibration Verification						
	ID: ICV053				ID: CCV120				ID: CCV121		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Aluminum	2500	2500	102	1	400000	410000	103	0	420000	104	0
Antimony	1000	980	98	0	5000	5000	99	0	5000	100	0
Arsenic	1000	1100	109	0	5000	5000	101	0	5000	100	0
Barium	520	530	102	0	10000	10000	104	0	10000	104	0
Beryllium	510	540	106	0	500	520	104	0	520	104	1
Cadmium	510	510	99	0	2500	2500	101	0	2500	101	0
Calcium	10000	10000	105	1	400000	420000	104	0	420000	105	0
Chromium	520	570	109	0	15500	16000	103	0	16000	104	0
Cobalt	520	510	99	0	2500	2500	102	0	2500	102	0
Copper	510	500	98	1	15000	16000	104	0	16000	104	0
Iron	10000	11000	106	0	400000	420000	105	0	430000	106	0
Lead	1000	1000	100	0	25000	25000	100	0	25000	100	0
Magnesium	6000	6500	109	1	400000	420000	104	0	420000	105	0
Manganese	520	540	104	0	15000	15000	102	0	16000	104	0
Nickel	530	520	98	0	2500	2600	102	0	2600	102	0
Potassium	9900	9500	96	3	150000	160000	106	1	160000	106	1
Selenium	1000	950	95	0	5000	5000	100	0	5000	100	0
Silver	250	260	104	1	1250	1300	103	0	1300	103	0
Sodium	10000	11000	109	0	400000	410000	103	1	420000	104	0
Thallium	1000	1000	102	0	5000	4900	98	0	4900	98	0
Vanadium	500	520	103	3	2500	2600	103	1	2600	103	1
Zinc	1000	940	94	0	15000	15000	101	0	15000	101	0

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	Initial Calibration Verification				Continuing Calibration Verification						
	ID:				ID: CCV122				ID: CCV123		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Aluminum					400000	400000	100	1	390000	97	0
Antimony					5000	4800	95	0	4700	94	0
Arsenic					5000	4900	97	0	4800	95	1
Barium					10000	9900	99	1	9700	97	0
Beryllium					500	490	99	1	490	97	1
Cadmium					2500	2400	96	0	2400	95	0
Calcium					400000	400000	100	1	390000	98	0
Chromium					15500	15000	98	0	15000	96	1
Cobalt					2500	2400	97	0	2400	97	0
Copper					15000	15000	99	1	15000	97	0
Iron					400000	410000	102	1	400000	99	0
Lead					25000	24000	96	0	24000	95	0
Magnesium					400000	400000	101	1	400000	99	0
Manganese					15000	15000	99	1	14000	96	0
Nickel					2500	2400	97	0	2400	96	0
Potassium					150000	150000	100	1	150000	98	0
Selenium					5000	4800	95	0	4700	94	0
Silver					1250	1200	98	0	1200	95	1
Sodium					400000	400000	100	1	390000	98	1
Thallium					5000	4700	94	0	4700	93	0
Vanadium					2500	2500	100	1	2400	97	1
Zinc					15000	14000	95	0	14000	94	1

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	Initial Calibration Verification				Continuing Calibration Verification						
	ID:				ID: CCV124				ID: CCV125		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Aluminum					400000	420000	104	1	400000	100	0
Antimony					5000	5000	100	2	4800	95	0
Arsenic					5000	4900	98	0	4700	94	0
Barium					10000	10000	101	0	9500	95	0
Beryllium					500	510	102	1	490	97	1
Cadmium					2500	2500	100	2	2400	95	0
Calcium					400000	410000	103	0	390000	97	0
Chromium					15500	16000	100	3	15000	95	0
Cobalt					2500	2600	102	2	2400	97	0
Copper					15000	15000	102	0	15000	98	0
Iron					400000	420000	104	0	400000	101	0
Lead					25000	25000	100	2	24000	95	0
Magnesium					400000	420000	105	1	410000	101	0
Manganese					15000	15000	102	1	15000	98	0
Nickel					2500	2500	101	2	2400	96	0
Potassium					150000	150000	103	0	150000	97	0
Selenium					5000	5000	99	2	4700	94	0
Silver					1250	1200	99	3	1200	93	0
Sodium					400000	410000	104	1	400000	101	1
Thallium					5000	4900	98	2	4700	94	0
Vanadium					2500	2500	102	1	2400	98	0
Zinc					15000	15000	99	3	15000	98	0

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Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011Lab Code: ACE Case No.: 51879 MA No. : SDG No.: MBHMK3Initial Calibration Verification Source : MP83508Continuing Calibration Verification Source : MP83511Run Batch: LB134174 Analytical Method: ICP-AESConcentration Units: µg/L

	Initial Calibration Verification				Continuing Calibration Verification						
	ID:				ID: CCV126				ID: CCV127		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Aluminum					400000	420000	105	1	410000	103	1
Antimony					5000	4900	99	0	4800	96	0
Arsenic					5000	4700	94	0	4600	92	0
Barium					10000	9800	98	1	9500	95	1
Beryllium					500	510	102	1	500	99	0
Cadmium					2500	2400	97	0	2400	95	0
Calcium					400000	400000	101	1	390000	97	1
Chromium					15500	15000	97	0	15000	94	0
Cobalt					2500	2500	100	0	2400	98	0
Copper					15000	15000	101	1	15000	99	1
Iron					400000	420000	105	1	410000	102	1
Lead					25000	24000	98	0	24000	96	0
Magnesium					400000	430000	107	1	420000	104	1
Manganese					15000	15000	102	1	15000	99	1
Nickel					2500	2500	99	0	2400	96	0
Potassium					150000	150000	102	1	150000	98	1
Selenium					5000	4900	97	0	4800	95	1
Silver					1250	1200	95	0	1100	92	1
Sodium					400000	430000	107	0	420000	104	1
Thallium					5000	4800	96	0	4700	94	0
Vanadium					2500	2500	101	2	2500	98	0
Zinc					15000	15000	103	0	15000	100	1

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	Initial Calibration Verification				Continuing Calibration Verification						
	ID: ICV054				ID: CCV128				ID: CCV129		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Aluminum	2500	2400	95	1	400000	410000	103	3	410000	102	2
Antimony	1000	990	99	1	5000	5100	102	2	5000	100	3
Arsenic	1000	1100	108	0	5000	5200	104	0	5100	102	0
Barium	520	500	97	1	10000	10000	103	3	10000	102	3
Beryllium	510	510	100	1	500	520	104	4	510	103	2
Cadmium	510	470	91	0	2500	2500	101	1	2500	99	3
Calcium	10000	9800	98	2	400000	410000	103	3	410000	103	2
Chromium	520	540	103	1	15500	16000	102	0	15000	99	2
Cobalt	520	480	92	0	2500	2600	102	1	2500	100	3
Copper	510	500	97	2	15000	16000	106	3	16000	105	3
Iron	10000	10000	101	2	400000	420000	104	3	420000	104	3
Lead	1000	940	94	0	25000	25000	101	1	25000	99	3
Magnesium	6000	6200	103	2	400000	400000	101	3	400000	101	2
Manganese	520	490	95	2	15000	15000	98	3	15000	98	3
Nickel	530	490	92	1	2500	2600	103	1	2500	101	3
Potassium	9900	10000	104	2	150000	160000	104	3	150000	102	3
Selenium	1000	1000	105	0	5000	5100	102	2	5000	101	3
Silver	250	250	98	1	1250	1300	101	1	1200	98	2
Sodium	10000	12000	120	1	400000	430000	107	4	420000	105	2
Thallium	1000	960	96	1	5000	5000	99	1	4900	97	3
Vanadium	500	490	98	5	2500	2600	103	3	2500	101	3
Zinc	1000	1000	105	1	15000	15000	101	0	15000	97	3

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	Initial Calibration Verification				Continuing Calibration Verification						
	ID:				ID: CCV130				ID: CCV131		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Aluminum					400000	390000	96	2	390000	98	3
Antimony					5000	4800	97	1	4900	97	0
Arsenic					5000	5000	100	0	5000	100	0
Barium					10000	9700	97	2	9800	98	3
Beryllium					500	480	97	2	490	97	3
Cadmium					2500	2400	96	1	2400	97	0
Calcium					400000	390000	97	2	390000	98	3
Chromium					15500	15000	98	0	15000	98	1
Cobalt					2500	2400	97	1	2400	97	0
Copper					15000	15000	100	2	15000	101	3
Iron					400000	390000	98	2	390000	99	3
Lead					25000	24000	96	1	24000	96	0
Magnesium					400000	380000	95	2	380000	96	3
Manganese					15000	14000	92	2	14000	94	2
Nickel					2500	2400	97	1	2400	98	0
Potassium					150000	140000	95	2	140000	96	3
Selenium					5000	4800	97	1	4900	97	1
Silver					1250	1200	97	1	1200	97	0
Sodium					400000	400000	100	2	400000	101	2
Thallium					5000	4700	94	1	4700	94	0
Vanadium					2500	2400	96	1	2400	98	3
Zinc					15000	15000	97	1	14000	96	0