

FORM 2 - IN

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011Lab Code: ACE Case No.: 51779 MA No. : SDG No.: MYCZB9Initial Calibration Verification Source : MP83508Continuing Calibration Verification Source : MP83511Run Batch: LB134057 Analytical Method: ICP-AESConcentration Units: µg/L

	Initial Calibration Verification				Continuing Calibration Verification						
	ID: ICV009				ID: CCV081				ID: CCV082		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Aluminum	2500	2400	96	1	400000	410000	102	0	400000	101	0
Antimony	1000	1000	102	0	5000	4900	98	0	4800	96	0
Arsenic	1000	1100	110	0	5000	5000	100	0	4800	96	0
Barium	520	520	101	0	10000	10000	103	0	10000	101	0
Beryllium	510	530	103	1	500	520	103	0	510	101	0
Cadmium	510	500	99	0	2500	2500	100	0	2400	97	0
Calcium	10000	10000	104	0	400000	410000	103	0	400000	101	0
Chromium	520	550	107	0	15500	16000	101	1	15000	99	0
Cobalt	520	500	97	0	2500	2500	100	0	2400	98	0
Copper	510	510	100	0	15000	15000	102	0	15000	100	0
Iron	10000	11000	105	0	400000	420000	104	0	410000	102	0
Lead	1000	980	98	1	25000	25000	100	0	24000	97	0
Magnesium	6000	6300	105	2	400000	410000	102	0	400000	101	0
Manganese	520	530	103	1	15000	15000	102	0	15000	100	0
Nickel	530	510	97	0	2500	2500	101	0	2500	98	0
Potassium	9900	9200	93	3	150000	150000	103	0	150000	101	0
Selenium	1000	950	95	1	5000	4900	98	0	4800	95	0
Silver	250	240	97	0	1250	1300	104	1	1300	103	1
Sodium	10000	9100	91	4	400000	410000	102	1	410000	102	0
Thallium	1000	1000	102	0	5000	4900	99	0	4800	95	0
Vanadium	500	510	103	2	2500	2600	103	0	2500	100	0
Zinc	1000	940	94	1	15000	15000	99	1	14000	94	1

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	Initial Calibration Verification				Continuing Calibration Verification						
	ID:				ID: CCV083				ID: CCV084		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Aluminum					400000	410000	103	0	400000	101	1
Antimony					5000	5000	100	0	4800	97	0
Arsenic					5000	5100	103	0	4900	98	0
Barium					10000	10000	103	1	10000	101	1
Beryllium					500	520	103	1	510	101	1
Cadmium					2500	2500	100	0	2500	99	0
Calcium					400000	410000	104	0	400000	101	1
Chromium					15500	16000	102	1	15000	99	0
Cobalt					2500	2500	100	0	2500	99	0
Copper					15000	15000	103	0	15000	100	1
Iron					400000	420000	104	1	410000	102	1
Lead					25000	25000	100	0	25000	98	0
Magnesium					400000	410000	103	0	400000	100	1
Manganese					15000	15000	102	0	15000	99	1
Nickel					2500	2500	101	0	2500	100	0
Potassium					150000	150000	103	0	150000	100	1
Selenium					5000	5000	99	0	4800	97	0
Silver					1250	1300	106	1	1300	103	0
Sodium					400000	410000	102	0	410000	101	2
Thallium					5000	4800	97	0	4800	96	0
Vanadium					2500	2600	103	0	2500	100	1
Zinc					15000	15000	102	0	15000	98	1

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Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011Lab Code: ACE Case No.: 51779 MA No. : SDG No.: MYCZB9Initial Calibration Verification Source : MP83508Continuing Calibration Verification Source : MP83511Run Batch: LB134057 Analytical Method: ICP-AESConcentration Units: µg/L

	Initial Calibration Verification				Continuing Calibration Verification						
	ID:				ID: CCV085				ID: CCV086		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Aluminum					400000	400000	100	1	400000	101	0
Antimony					5000	4800	95	0	4800	97	0
Arsenic					5000	4900	97	0	4800	96	0
Barium					10000	10000	101	1	10000	102	0
Beryllium					500	500	100	1	510	101	0
Cadmium					2500	2400	98	0	2500	99	0
Calcium					400000	400000	101	0	410000	101	0
Chromium					15500	15000	97	0	15000	99	0
Cobalt					2500	2400	97	0	2500	99	0
Copper					15000	15000	99	0	15000	100	0
Iron					400000	410000	101	1	410000	102	0
Lead					25000	24000	97	0	24000	98	0
Magnesium					400000	400000	100	1	400000	101	0
Manganese					15000	15000	99	1	15000	100	0
Nickel					2500	2500	99	0	2500	99	0
Potassium					150000	150000	100	0	150000	100	0
Selenium					5000	4800	96	0	4800	96	0
Silver					1250	1300	102	0	1300	103	0
Sodium					400000	400000	101	0	400000	101	0
Thallium					5000	4700	95	0	4700	95	0
Vanadium					2500	2500	100	0	2500	100	0
Zinc					15000	15000	99	1	15000	100	1

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
 Lab Code: ACE Case No.: 51779 MA No. : SDG No.: MYCZB9
 Initial Calibration Verification Source : MP83508
 Continuing Calibration Verification Source : MP83511
 Run Batch: LB134057 Analytical Method: ICP-AES
 Concentration Units: µg/L

	Initial Calibration Verification				Continuing Calibration Verification						
	ID:				ID: CCV087				ID: CCV088		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Aluminum					400000	400000	100	1	400000	99	0
Antimony					5000	4800	95	0	4700	95	0
Arsenic					5000	4800	96	0	4800	95	0
Barium					10000	10000	101	1	10000	100	0
Beryllium					500	500	100	1	500	100	0
Cadmium					2500	2400	98	0	2400	98	0
Calcium					400000	400000	100	0	400000	99	0
Chromium					15500	15000	98	0	15000	98	1
Cobalt					2500	2500	98	0	2500	98	0
Copper					15000	15000	99	1	15000	98	0
Iron					400000	400000	100	1	400000	100	0
Lead					25000	24000	97	0	24000	97	0
Magnesium					400000	400000	99	1	390000	98	0
Manganese					15000	15000	99	1	15000	98	0
Nickel					2500	2500	99	0	2500	98	0
Potassium					150000	150000	99	1	150000	99	0
Selenium					5000	4700	95	0	4700	94	0
Silver					1250	1300	102	0	1300	101	1
Sodium					400000	400000	99	1	400000	99	0
Thallium					5000	4700	94	1	4700	93	0
Vanadium					2500	2500	99	1	2500	98	0
Zinc					15000	15000	98	1	14000	97	1

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Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011Lab Code: ACE Case No.: 51779 MA No. : SDG No.: MYCZB9Initial Calibration Verification Source : MP83508Continuing Calibration Verification Source : MP83511Run Batch: LB134057 Analytical Method: ICP-AESConcentration Units: µg/L

	Initial Calibration Verification				Continuing Calibration Verification						
	ID:				ID: CCV089				ID: CCV090		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Aluminum					400000	410000	103	0	400000	100	1
Antimony					5000	4900	98	0	4700	94	0
Arsenic					5000	5100	101	0	4800	96	0
Barium					10000	10000	103	0	10000	100	1
Beryllium					500	520	104	0	500	101	1
Cadmium					2500	2500	100	0	2400	98	0
Calcium					400000	410000	102	0	400000	100	1
Chromium					15500	16000	100	0	15000	98	0
Cobalt					2500	2500	99	0	2400	97	0
Copper					15000	15000	101	0	15000	99	1
Iron					400000	410000	103	0	400000	100	1
Lead					25000	25000	99	0	24000	97	0
Magnesium					400000	410000	102	0	400000	99	1
Manganese					15000	15000	101	0	15000	98	1
Nickel					2500	2500	100	0	2500	98	0
Potassium					150000	150000	102	0	150000	99	1
Selenium					5000	4900	97	0	4700	94	0
Silver					1250	1300	104	0	1300	102	0
Sodium					400000	410000	102	0	390000	99	1
Thallium					5000	4800	95	0	4700	93	0
Vanadium					2500	2500	101	1	2400	98	1
Zinc					15000	15000	102	1	15000	99	0

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Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011Lab Code: ACE Case No.: 51779 MA No. : SDG No.: MYCZB9Initial Calibration Verification Source : MP83508Continuing Calibration Verification Source : MP83511Run Batch: LB134057 Analytical Method: ICP-AESConcentration Units: µg/L

	Initial Calibration Verification				Continuing Calibration Verification						
	ID:				ID: CCV091				ID: CCV092		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Aluminum					400000	400000	100	0	410000	101	0
Antimony					5000	4700	94	0	4800	95	0
Arsenic					5000	4800	96	0	4900	97	0
Barium					10000	10000	100	0	10000	102	0
Beryllium					500	510	101	1	510	102	1
Cadmium					2500	2500	98	0	2500	99	0
Calcium					400000	400000	100	1	410000	101	0
Chromium					15500	15000	99	0	15000	99	0
Cobalt					2500	2400	98	0	2400	98	0
Copper					15000	15000	100	1	15000	101	0
Iron					400000	400000	100	1	410000	101	0
Lead					25000	24000	97	0	24000	98	0
Magnesium					400000	400000	99	0	400000	101	0
Manganese					15000	15000	98	1	15000	99	0
Nickel					2500	2500	98	0	2500	99	0
Potassium					150000	150000	100	0	150000	101	0
Selenium					5000	4700	94	0	4800	95	0
Silver					1250	1300	102	0	1300	103	0
Sodium					400000	400000	99	0	410000	102	0
Thallium					5000	4700	94	0	4700	94	0
Vanadium					2500	2500	98	1	2500	100	1
Zinc					15000	15000	99	0	15000	97	0

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Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011Lab Code: ACE Case No.: 51779 MA No. : SDG No.: MYCZB9Initial Calibration Verification Source : MP83508Continuing Calibration Verification Source : MP83511Run Batch: LB134057 Analytical Method: ICP-AESConcentration Units: µg/L

	Initial Calibration Verification				Continuing Calibration Verification						
	ID:				ID: CCV093				ID:		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Aluminum					400000	410000	102	0			
Antimony					5000	4800	95	0			
Arsenic					5000	4900	98	0			
Barium					10000	10000	103	1			
Beryllium					500	520	103	1			
Cadmium					2500	2500	99	0			
Calcium					400000	410000	102	0			
Chromium					15500	15000	99	0			
Cobalt					2500	2500	98	0			
Copper					15000	15000	101	0			
Iron					400000	410000	102	0			
Lead					25000	25000	98	0			
Magnesium					400000	410000	101	0			
Manganese					15000	15000	99	0			
Nickel					2500	2500	99	0			
Potassium					150000	150000	101	0			
Selenium					5000	4800	96	0			
Silver					1250	1300	103	0			
Sodium					400000	410000	103	1			
Thallium					5000	4800	96	0			
Vanadium					2500	2500	100	1			
Zinc					15000	15000	98	1			

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Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011Lab Code: ACE Case No.: 51779 MA No. : SDG No.: MYCZB9Initial 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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Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011Lab Code: ACE Case No.: 51779 MA No. : SDG No.: MYCZB9Initial Calibration Verification Source : MP83508Continuing Calibration Verification Source : MP83511Run Batch: LB134069 Analytical Method: ICP-AESConcentration Units: µg/L

	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