

FORM 2 - IN

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011Lab Code: ACE Case No.: 51810 MA No. : SDG No.: MC0VD3Initial Calibration Verification Source : MP83143Continuing Calibration Verification Source : MP83146Run Batch: LB133486 Analytical Method: ICP-AESConcentration Units: µg/L

	Initial Calibration Verification				Continuing Calibration Verification						
	ID: ICV004				ID: CCV020				ID: CCV021		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Aluminum	2500	2400	95	0	400000	390000	97	0	390000	98	0
Antimony	1000	950	95	0	5000	4900	97	0	4900	98	2
Arsenic	1000	1000	105	0	5000	5100	102	1	5200	105	1
Barium	520	520	100	0	10000	10000	101	0	10000	103	0
Beryllium	510	520	103	1	500	520	104	1	520	105	1
Cadmium	510	490	97	0	2500	2500	100	0	2600	102	2
Calcium	10000	9900	99	1	400000	400000	99	0	400000	101	0
Chromium	520	550	106	0	15500	16000	100	0	16000	102	0
Cobalt	520	500	95	0	2500	2500	100	0	2600	102	2
Copper	510	490	95	0	15000	15000	101	0	15000	102	0
Iron	10000	10000	103	0	400000	400000	100	0	410000	102	0
Lead	1000	980	98	0	25000	25000	100	0	25000	101	2
Magnesium	6000	5800	97	1	400000	400000	100	0	400000	101	0
Manganese	520	530	101	1	15000	15000	99	0	15000	101	0
Nickel	530	500	95	0	2500	2500	100	0	2500	101	2
Potassium	9900	10000	105	1	150000	150000	102	0	160000	104	0
Selenium	1000	970	97	1	5000	4800	96	0	4900	98	2
Silver	250	230	94	0	1250	1300	102	0	1300	102	0
Sodium	10000	9000	90	3	400000	400000	99	0	400000	100	0
Thallium	1000	1100	107	0	5000	4900	98	0	5000	99	2
Vanadium	500	540	109	0	2500	2500	101	0	2600	103	1
Zinc	1000	930	93	1	15000	14000	96	1	15000	98	0

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	Initial Calibration Verification				Continuing Calibration Verification						
	ID:				ID: CCV022				ID: CCV023		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Aluminum					400000	400000	100	1	400000	100	0
Antimony					5000	5000	99	0	4900	98	0
Arsenic					5000	5000	101	1	4700	94	1
Barium					10000	10000	103	0	10000	103	0
Beryllium					500	510	102	1	470	95	0
Cadmium					2500	2500	101	0	2500	99	0
Calcium					400000	410000	101	1	400000	101	0
Chromium					15500	16000	102	3	16000	104	2
Cobalt					2500	2500	102	0	2500	99	0
Copper					15000	16000	104	1	16000	104	0
Iron					400000	410000	103	1	400000	101	0
Lead					25000	25000	101	0	25000	99	0
Magnesium					400000	410000	103	1	400000	101	1
Manganese					15000	15000	101	1	15000	101	0
Nickel					2500	2500	101	0	2500	100	0
Potassium					150000	160000	104	0	150000	102	0
Selenium					5000	4900	98	0	4700	94	0
Silver					1250	1200	98	3	1200	98	2
Sodium					400000	410000	102	0	410000	101	0
Thallium					5000	5100	102	0	5200	104	0
Vanadium					2500	2600	105	1	2600	104	0
Zinc					15000	14000	96	3	15000	97	2

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	Initial Calibration Verification				Continuing Calibration Verification						
	ID:				ID: CCV024				ID: CCV025		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Aluminum					400000	400000	101	1	410000	102	1
Antimony					5000	4900	98	0	5000	100	0
Arsenic					5000	4700	94	1	4800	97	1
Barium					10000	10000	103	1	10000	104	1
Beryllium					500	490	97	1	500	100	1
Cadmium					2500	2500	99	0	2500	101	0
Calcium					400000	400000	101	1	410000	104	1
Chromium					15500	16000	105	0	16000	106	0
Cobalt					2500	2500	99	0	2500	101	0
Copper					15000	16000	104	1	16000	106	1
Iron					400000	410000	102	1	420000	104	1
Lead					25000	25000	99	0	25000	101	0
Magnesium					400000	410000	102	1	420000	104	1
Manganese					15000	15000	101	1	15000	102	1
Nickel					2500	2500	100	0	2500	101	0
Potassium					150000	150000	103	1	160000	104	1
Selenium					5000	4700	94	1	4800	96	0
Silver					1250	1200	98	0	1200	99	0
Sodium					400000	410000	103	1	420000	105	1
Thallium					5000	5200	103	0	5200	104	0
Vanadium					2500	2600	104	1	2600	106	1
Zinc					15000	15000	99	0	15000	100	0

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	Initial Calibration Verification				Continuing Calibration Verification						
	ID:				ID: CCV026				ID: CCV027		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Aluminum					400000	410000	102	0	400000	101	1
Antimony					5000	5000	99	0	5000	100	0
Arsenic					5000	4800	95	0	5100	101	1
Barium					10000	10000	103	0	10000	104	0
Beryllium					500	490	99	1	520	105	1
Cadmium					2500	2500	100	0	2500	102	0
Calcium					400000	410000	103	0	410000	103	0
Chromium					15500	16000	106	0	16000	104	0
Cobalt					2500	2500	100	0	2500	102	0
Copper					15000	16000	105	0	16000	105	0
Iron					400000	410000	103	0	410000	103	0
Lead					25000	25000	100	0	25000	101	0
Magnesium					400000	410000	103	0	410000	104	0
Manganese					15000	15000	102	0	15000	101	0
Nickel					2500	2500	101	0	2500	101	0
Potassium					150000	160000	103	0	160000	105	0
Selenium					5000	4800	96	0	4900	97	0
Silver					1250	1200	99	0	1300	101	1
Sodium					400000	420000	104	0	420000	104	0
Thallium					5000	5200	105	0	5100	102	0
Vanadium					2500	2600	105	0	2600	105	0
Zinc					15000	15000	100	0	15000	99	1

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 Lab Code: ACE Case No.: 51810 MA No. : SDG No.: MC0VD3
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 Continuing Calibration Verification Source : MP83146
 Run Batch: LB133486 Analytical Method: ICP-AES
 Concentration Units: µg/L

	Initial Calibration Verification				Continuing Calibration Verification						
	ID:				ID: CCV028				ID:		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Aluminum					400000	410000	102	0			
Antimony					5000	5000	100	0			
Arsenic					5000	5200	103	0			
Barium					10000	10000	103	0			
Beryllium					500	520	105	1			
Cadmium					2500	2600	103	0			
Calcium					400000	410000	102	0			
Chromium					15500	16000	104	0			
Cobalt					2500	2600	102	0			
Copper					15000	16000	104	0			
Iron					400000	410000	104	0			
Lead					25000	26000	102	0			
Magnesium					400000	410000	104	0			
Manganese					15000	15000	101	0			
Nickel					2500	2500	102	0			
Potassium					150000	160000	105	0			
Selenium					5000	4900	98	1			
Silver					1250	1300	101	0			
Sodium					400000	420000	104	0			
Thallium					5000	5100	102	0			
Vanadium					2500	2600	105	1			
Zinc					15000	15000	99	0			

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	Initial Calibration Verification				Continuing Calibration Verification						
	ID: ICV005				ID: CCV031				ID: CCV032		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Aluminum	2500	2400	98	0	400000	400000	100	0	420000	105	0
Antimony	1000	920	92	1	5000	4700	94	0	5000	99	1
Arsenic	1000	910	91	1	5000	5000	99	1	5200	103	2
Barium	520	530	103	0	10000	10000	100	0	11000	105	1
Beryllium	510	530	104	0	500	490	98	1	510	103	1
Cadmium	510	500	99	0	2500	2400	98	0	2600	102	1
Calcium	10000	10000	105	0	400000	400000	101	0	420000	106	1
Chromium	520	560	108	0	15500	15000	97	0	16000	101	2
Cobalt	520	510	97	0	2500	2400	98	0	2600	102	1
Copper	510	510	100	1	15000	15000	98	0	16000	104	1
Iron	10000	11000	110	0	400000	410000	102	0	420000	106	0
Lead	1000	1000	100	0	25000	24000	97	0	25000	101	1
Magnesium	6000	5700	95	0	400000	400000	99	0	410000	103	0
Manganese	520	540	105	0	15000	15000	97	0	15000	103	1
Nickel	530	520	97	0	2500	2400	97	0	2500	102	1
Potassium	9900	9200	93	1	150000	150000	99	0	160000	104	0
Selenium	1000	940	94	1	5000	4700	94	0	4900	98	2
Silver	250	240	96	1	1250	1200	100	0	1300	103	3
Sodium	10000	9800	98	4	400000	400000	100	0	420000	105	0
Thallium	1000	1100	108	0	5000	4800	95	0	5000	100	2
Vanadium	500	550	109	1	2500	2500	98	0	2600	103	1
Zinc	1000	920	92	0	15000	14000	94	1	15000	99	3