

FORM 2 - IN

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011Lab Code: ACE Case No.: 51811 MA No. : SDG No.: MH2D27Initial Calibration Verification Source : MP84064Continuing Calibration Verification Source : MP84067Run Batch: LB134297 Analytical Method: ICP-AESConcentration Units: µg/L

	Initial Calibration Verification				Continuing Calibration Verification						
	ID: ICV004				ID: CCV023				ID: CCV024		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Aluminum	2500	2300	92	2	400000	380000	96	1	360000	91	1
Antimony	1000	980	98	0	5000	4700	95	1	4700	94	0
Arsenic	1000	1000	103	0	5000	4700	94	1	4700	94	1
Barium	520	470	90	2	10000	10000	101	0	9600	96	1
Beryllium	510	510	99	0	500	480	97	1	500	101	1
Cadmium	510	510	100	0	2500	2400	96	1	2500	99	0
Calcium	10000	9100	91	2	400000	390000	99	1	370000	94	0
Chromium	520	550	105	2	15500	15000	98	0	15000	99	0
Cobalt	520	500	97	0	2500	2400	96	1	2400	98	0
Copper	510	510	101	0	15000	15000	99	0	15000	97	1
Iron	10000	9500	95	2	400000	390000	98	0	380000	95	0
Lead	1000	1000	102	0	25000	24000	95	1	24000	97	0
Magnesium	6000	5700	94	2	400000	390000	98	0	380000	95	0
Manganese	520	490	95	2	15000	15000	101	0	14000	97	0
Nickel	530	510	97	0	2500	2400	96	1	2400	97	0
Potassium	9900	9100	92	2	150000	150000	101	0	140000	96	0
Selenium	1000	910	91	1	5000	4700	94	1	4700	93	0
Silver	250	230	90	2	1250	1300	101	0	1200	100	1
Sodium	10000	9300	93	2	400000	390000	97	0	380000	95	1
Thallium	1000	1000	101	1	5000	4800	96	2	4600	92	2
Vanadium	500	510	102	0	2500	2400	97	0	2400	97	0
Zinc	1000	970	97	2	15000	15000	101	0	14000	97	1

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	Initial Calibration Verification				Continuing Calibration Verification						
	ID:				ID: CCV025				ID:		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Aluminum					400000	380000	95	1			
Antimony					5000	4700	93	1			
Arsenic					5000	4700	94	1			
Barium					10000	9100	91	0			
Beryllium					500	520	104	1			
Cadmium					2500	2600	102	1			
Calcium					400000	370000	93	1			
Chromium					15500	16000	100	0			
Cobalt					2500	2500	99	1			
Copper					15000	14000	97	1			
Iron					400000	370000	93	0			
Lead					25000	25000	99	1			
Magnesium					400000	380000	95	0			
Manganese					15000	14000	95	0			
Nickel					2500	2500	99	1			
Potassium					150000	140000	92	1			
Selenium					5000	4600	93	1			
Silver					1250	1200	99	0			
Sodium					400000	380000	95	1			
Thallium					5000	5000	99	2			
Vanadium					2500	2500	98	1			
Zinc					15000	14000	94	1			

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	Initial Calibration Verification				Continuing Calibration Verification						
	ID: ICV005				ID: CCV026				ID: CCV027		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Aluminum	2500	2600	103	1	400000	400000	101	1	420000	105	0
Antimony	1000	990	99	1	5000	4900	97	0	4900	98	0
Arsenic	1000	1000	102	1	5000	4800	97	0	4900	97	0
Barium	520	530	102	0	10000	10000	102	1	11000	106	1
Beryllium	510	500	98	0	500	490	97	1	480	96	0
Cadmium	510	490	96	0	2500	2400	97	0	2400	97	0
Calcium	10000	9700	97	0	400000	400000	101	0	420000	105	1
Chromium	520	560	108	0	15500	15000	99	1	15000	100	0
Cobalt	520	500	95	0	2500	2400	98	0	2500	98	0
Copper	510	500	98	1	15000	14000	95	0	15000	98	1
Iron	10000	10000	103	1	400000	410000	102	1	430000	106	0
Lead	1000	990	99	0	25000	24000	97	0	24000	97	0
Magnesium	6000	6100	101	1	400000	400000	99	1	420000	104	0
Manganese	520	500	95	1	15000	15000	99	2	15000	103	1
Nickel	530	500	95	0	2500	2400	98	0	2500	98	0
Potassium	9900	9900	100	1	150000	160000	105	2	160000	109	1
Selenium	1000	1000	104	1	5000	4900	97	0	4900	97	0
Silver	250	240	95	0	1250	1300	102	1	1300	103	0
Sodium	10000	9500	95	0	400000	380000	95	0	400000	100	1
Thallium	1000	1100	107	1	5000	4900	97	0	4800	96	1
Vanadium	500	500	101	0	2500	2400	96	0	2400	97	0
Zinc	1000	990	99	0	15000	15000	101	1	16000	104	0

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Analyte	Initial Calibration Verification				Continuing Calibration Verification						
	ID:				ID: CCV028				ID: CCV029		
	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Aluminum					400000	400000	99	1	420000	106	0
Antimony					5000	4800	97	0	4900	99	0
Arsenic					5000	4800	95	0	4900	98	0
Barium					10000	10000	104	0	11000	107	1
Beryllium					500	470	95	0	460	92	0
Cadmium					2500	2400	96	0	2400	96	0
Calcium					400000	400000	101	0	410000	103	1
Chromium					15500	15000	97	0	15000	97	0
Cobalt					2500	2400	97	0	2400	97	0
Copper					15000	15000	99	0	15000	98	0
Iron					400000	400000	101	0	420000	105	0
Lead					25000	24000	95	0	24000	96	0
Magnesium					400000	400000	99	0	410000	102	0
Manganese					15000	15000	102	0	16000	103	1
Nickel					2500	2400	97	0	2400	97	0
Potassium					150000	160000	105	0	160000	108	0
Selenium					5000	4800	96	0	5000	99	0
Silver					1250	1300	101	0	1300	102	0
Sodium					400000	400000	101	1	390000	99	0
Thallium					5000	4800	96	1	4800	95	1
Vanadium					2500	2400	97	0	2400	96	0
Zinc					15000	15000	103	0	16000	105	1

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	Initial Calibration Verification				Continuing Calibration Verification						
	ID:				ID: CCV030				ID:		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Aluminum					400000	410000	103	0			
Antimony					5000	4900	99	0			
Arsenic					5000	4800	96	0			
Barium					10000	10000	104	1			
Beryllium					500	470	94	1			
Cadmium					2500	2400	96	0			
Calcium					400000	410000	103	1			
Chromium					15500	15000	98	0			
Cobalt					2500	2400	98	0			
Copper					15000	14000	95	0			
Iron					400000	410000	104	0			
Lead					25000	24000	96	0			
Magnesium					400000	400000	101	0			
Manganese					15000	15000	100	0			
Nickel					2500	2400	97	0			
Potassium					150000	160000	106	1			
Selenium					5000	4900	98	0			
Silver					1250	1300	102	0			
Sodium					400000	380000	96	0			
Thallium					5000	4800	96	0			
Vanadium					2500	2400	95	0			
Zinc					15000	15000	103	0			