

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.: MBHMZ9Initial Calibration Verification Source : MP83508Continuing Calibration Verification Source : MP83511Run Batch: LB134223 Analytical Method: ICP-AESConcentration Units: µg/L

	Initial Calibration Verification				Continuing Calibration Verification						
	ID: ICV056				ID: CCV138				ID: CCV139		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Aluminum	2500	2400	96	3	400000	400000	100	1	400000	100	1
Antimony	1000	970	97	0	5000	4900	98	0	4900	97	0
Arsenic	1000	1100	105	0	5000	4900	99	1	4900	97	1
Barium	520	500	96	1	10000	10000	101	1	9900	99	1
Beryllium	510	510	99	1	500	510	102	0	500	101	0
Cadmium	510	500	98	0	2500	2500	99	0	2400	97	0
Calcium	10000	10000	101	1	400000	400000	101	1	400000	100	1
Chromium	520	520	100	0	15500	15000	99	0	15000	97	0
Cobalt	520	520	100	0	2500	2400	95	0	2400	94	0
Copper	510	540	107	1	15000	15000	100	1	15000	99	0
Iron	10000	9900	99	1	400000	410000	102	1	400000	100	1
Lead	1000	940	94	1	25000	25000	98	0	24000	96	0
Magnesium	6000	6000	100	2	400000	410000	103	0	410000	101	1
Manganese	520	490	95	1	15000	15000	100	0	15000	99	1
Nickel	530	520	99	0	2500	2500	99	0	2500	98	0
Potassium	9900	9300	94	2	150000	150000	103	1	150000	102	1
Selenium	1000	960	96	1	5000	5000	100	0	4900	99	0
Silver	250	240	97	0	1250	1300	101	0	1200	99	0
Sodium	10000	9500	95	1	400000	420000	105	1	420000	104	0
Thallium	1000	960	96	0	5000	4800	96	0	4700	94	0
Vanadium	500	510	102	1	2500	2500	100	1	2500	99	0
Zinc	1000	940	94	0	15000	15000	98	0	15000	97	0

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	Initial Calibration Verification				Continuing Calibration Verification						
	ID:				ID: CCV140				ID: CCV141		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Aluminum					400000	390000	98	1	400000	99	1
Antimony					5000	4900	99	1	4800	96	1
Arsenic					5000	5000	100	0	4800	97	0
Barium					10000	10000	100	0	10000	100	1
Beryllium					500	500	100	1	510	101	2
Cadmium					2500	2500	98	1	2400	96	1
Calcium					400000	400000	100	0	400000	100	1
Chromium					15500	15000	99	0	15000	97	1
Cobalt					2500	2400	95	1	2300	92	1
Copper					15000	15000	99	1	15000	99	2
Iron					400000	390000	99	0	400000	99	1
Lead					25000	24000	97	1	24000	95	1
Magnesium					400000	390000	98	0	400000	100	1
Manganese					15000	14000	95	0	15000	98	1
Nickel					2500	2500	99	1	2400	97	1
Potassium					150000	150000	103	0	160000	104	1
Selenium					5000	5000	100	1	4900	98	1
Silver					1250	1300	100	1	1200	99	1
Sodium					400000	420000	104	1	420000	105	2
Thallium					5000	4800	95	1	4700	93	1
Vanadium					2500	2400	98	1	2500	98	2
Zinc					15000	14000	96	0	14000	95	2

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	Initial Calibration Verification				Continuing Calibration Verification						
	ID: ICV057				ID: CCV144				ID: CCV145		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Aluminum	2500	2400	98	2	400000	410000	102	1	380000	96	0
Antimony	1000	1100	106	0	5000	5400	107	1	5100	101	0
Arsenic	1000	1100	110	1	5000	5100	102	0	5000	101	0
Barium	520	530	103	1	10000	11000	108	0	10000	103	0
Beryllium	510	510	100	1	500	520	103	1	490	97	1
Cadmium	510	490	96	0	2500	2700	106	1	2500	100	0
Calcium	10000	11000	107	1	400000	430000	107	0	400000	100	0
Chromium	520	560	108	0	15500	17000	108	0	16000	102	0
Cobalt	520	520	99	0	2500	2600	102	1	2400	96	0
Copper	510	550	108	0	15000	15000	103	1	15000	97	1
Iron	10000	10000	104	2	400000	410000	104	1	390000	96	0
Lead	1000	990	99	0	25000	26000	106	1	25000	99	0
Magnesium	6000	6300	105	2	400000	410000	103	0	390000	97	0
Manganese	520	510	99	1	15000	15000	101	1	14000	94	1
Nickel	530	510	96	0	2500	2700	107	1	2500	100	0
Potassium	9900	10000	101	2	150000	160000	109	1	150000	101	1
Selenium	1000	970	97	0	5000	5400	109	1	5100	102	0
Silver	250	260	103	0	1250	1300	107	0	1300	102	0
Sodium	10000	9000	90	4	400000	400000	100	1	380000	95	1
Thallium	1000	1100	107	0	5000	5100	103	1	4800	96	0
Vanadium	500	540	109	1	2500	2500	101	1	2400	94	1
Zinc	1000	1000	102	0	15000	16000	104	0	15000	98	0

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	Initial Calibration Verification				Continuing Calibration Verification						
	ID:				ID: CCV146				ID:		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Aluminum					400000	410000	102	4			
Antimony					5000	5200	105	0			
Arsenic					5000	5000	101	0			
Barium					10000	11000	106	4			
Beryllium					500	530	106	3			
Cadmium					2500	2600	103	0			
Calcium					400000	420000	106	4			
Chromium					15500	16000	106	1			
Cobalt					2500	2500	99	1			
Copper					15000	16000	107	4			
Iron					400000	410000	102	4			
Lead					25000	26000	103	0			
Magnesium					400000	410000	102	4			
Manganese					15000	15000	98	4			
Nickel					2500	2600	103	0			
Potassium					150000	160000	107	4			
Selenium					5000	5300	105	0			
Silver					1250	1300	105	1			
Sodium					400000	400000	101	4			
Thallium					5000	5000	100	0			
Vanadium					2500	2600	103	4			
Zinc					15000	15000	102	0			

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	Initial Calibration Verification				Continuing Calibration Verification						
	ID: ICV058				ID: CCV147				ID: CCV148		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Aluminum	2500	2500	100	2	400000	410000	102	0	420000	105	0
Antimony	1000	970	97	0	5000	4800	97	0	4900	98	0
Arsenic	1000	900	90	0	5000	5000	99	1	5000	99	0
Barium	520	520	101	1	10000	10000	103	1	10000	105	0
Beryllium	510	530	103	1	500	510	102	1	520	105	1
Cadmium	510	500	98	0	2500	2600	103	0	2600	103	0
Calcium	10000	11000	107	0	400000	410000	103	0	420000	105	0
Chromium	520	560	109	1	15500	16000	104	0	16000	103	0
Cobalt	520	520	100	0	2500	2500	99	0	2500	99	0
Copper	510	560	109	1	15000	15000	101	1	16000	103	1
Iron	10000	10000	105	1	400000	410000	103	0	420000	105	0
Lead	1000	1000	101	0	25000	25000	102	0	26000	102	0
Magnesium	6000	6200	103	1	400000	410000	102	0	420000	104	0
Manganese	520	530	102	0	15000	15000	100	0	15000	102	0
Nickel	530	510	97	0	2500	2600	103	0	2600	103	0
Potassium	9900	9200	93	0	150000	160000	107	1	160000	108	1
Selenium	1000	1000	103	0	5000	5000	100	0	5000	101	0
Silver	250	260	104	0	1250	1200	99	0	1200	99	1
Sodium	10000	10000	102	3	400000	410000	102	0	410000	103	0
Thallium	1000	1100	107	0	5000	5000	100	0	5000	100	0
Vanadium	500	540	109	1	2500	2500	100	1	2600	103	0
Zinc	1000	970	97	0	15000	16000	103	0	16000	104	0