

FORM 2 - IN

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011Lab Code: ACE Case No.: 51698 MA No. : SDG No.: MBHCH8Initial Calibration Verification Source : MP83143Continuing Calibration Verification Source : MP83146Run Batch: LB133244 Analytical Method: ICP-AESConcentration Units: µg/L

	Initial Calibration Verification				Continuing Calibration Verification						
	ID: ICV002				ID: CCV009				ID: CCV010		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Aluminum	2500	2400	94	1	400000	410000	103	2	410000	103	0
Antimony	1000	1000	105	0	5000	5000	99	0	4900	98	0
Arsenic	1000	980	98	0	5000	5100	102	1	5000	100	0
Barium	520	520	99	0	10000	10000	102	2	10000	102	0
Beryllium	510	540	105	0	500	530	106	2	530	106	1
Cadmium	510	490	96	0	2500	2500	99	1	2500	98	0
Calcium	10000	10000	101	1	400000	410000	102	2	410000	103	0
Chromium	520	550	106	0	15500	15000	98	2	15000	98	0
Cobalt	520	490	95	0	2500	2500	100	1	2500	100	0
Copper	510	480	95	0	15000	15000	100	2	15000	100	0
Iron	10000	11000	107	0	400000	420000	104	2	410000	104	0
Lead	1000	970	97	0	25000	25000	99	0	24000	98	0
Magnesium	6000	5600	93	1	400000	400000	101	2	400000	101	0
Manganese	520	520	100	1	15000	15000	97	2	15000	97	0
Nickel	530	500	95	0	2500	2500	100	1	2500	99	0
Potassium	9900	10000	101	1	150000	150000	102	2	150000	103	0
Selenium	1000	960	96	0	5000	4900	97	1	4800	96	0
Silver	250	250	99	1	1250	1300	106	2	1300	106	0
Sodium	10000	10000	104	4	400000	410000	102	2	410000	102	0
Thallium	1000	1000	104	1	5000	4800	96	1	4800	96	0
Vanadium	500	510	103	1	2500	2500	100	2	2500	100	0
Zinc	1000	1000	100	0	15000	15000	97	1	14000	97	0

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	Initial Calibration Verification				Continuing Calibration Verification						
	ID:				ID: CCV011				ID: CCV012		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Aluminum					400000	420000	104	0	420000	104	0
Antimony					5000	4900	99	0	5000	99	0
Arsenic					5000	5000	100	0	5000	100	0
Barium					10000	10000	103	0	10000	103	0
Beryllium					500	540	107	0	540	108	1
Cadmium					2500	2500	99	0	2500	99	0
Calcium					400000	420000	104	0	420000	106	0
Chromium					15500	15000	99	0	15000	99	0
Cobalt					2500	2500	100	0	2500	100	0
Copper					15000	15000	100	0	15000	101	0
Iron					400000	420000	105	0	420000	105	0
Lead					25000	24000	98	0	24000	98	0
Magnesium					400000	410000	102	0	420000	104	0
Manganese					15000	15000	97	0	14000	96	0
Nickel					2500	2500	99	0	2500	99	0
Potassium					150000	160000	104	0	160000	105	0
Selenium					5000	4800	97	0	4800	96	0
Silver					1250	1300	106	0	1300	107	1
Sodium					400000	420000	104	0	420000	106	0
Thallium					5000	4800	96	0	4800	96	0
Vanadium					2500	2500	101	1	2500	102	0
Zinc					15000	15000	97	1	15000	97	1

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	Initial Calibration Verification				Continuing Calibration Verification						
	ID:				ID: CCV013				ID: CCV014		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Aluminum					400000	410000	103	0	410000	102	5
Antimony					5000	5000	99	0	4900	99	0
Arsenic					5000	5000	99	0	5000	101	0
Barium					10000	10000	104	0	10000	104	5
Beryllium					500	510	103	1	510	102	4
Cadmium					2500	2500	98	0	2500	99	0
Calcium					400000	420000	104	1	400000	100	5
Chromium					15500	16000	100	0	15000	99	0
Cobalt					2500	2500	100	0	2500	100	0
Copper					15000	15000	101	0	15000	100	5
Iron					400000	410000	103	0	400000	100	5
Lead					25000	24000	98	0	25000	98	0
Magnesium					400000	410000	102	0	390000	98	5
Manganese					15000	14000	96	0	14000	96	5
Nickel					2500	2500	99	0	2500	99	0
Potassium					150000	160000	104	0	160000	103	5
Selenium					5000	4900	97	0	4900	97	1
Silver					1250	1300	105	0	1300	103	0
Sodium					400000	420000	105	1	410000	103	5
Thallium					5000	4800	97	0	4800	97	0
Vanadium					2500	2500	101	1	2400	98	5
Zinc					15000	15000	98	1	15000	98	0

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	Initial Calibration Verification				Continuing Calibration Verification						
	ID:				ID: CCV015				ID: CCV016		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Aluminum					400000	410000	102	5	410000	104	0
Antimony					5000	4900	99	0	4900	99	0
Arsenic					5000	5000	100	0	5000	99	0
Barium					10000	10000	104	5	11000	105	0
Beryllium					500	500	100	5	500	100	0
Cadmium					2500	2400	98	0	2400	98	0
Calcium					400000	400000	100	5	410000	102	0
Chromium					15500	15000	100	0	16000	100	0
Cobalt					2500	2500	100	0	2500	100	0
Copper					15000	15000	99	5	15000	101	0
Iron					400000	400000	99	5	400000	101	0
Lead					25000	24000	98	0	24000	97	0
Magnesium					400000	390000	98	5	400000	99	0
Manganese					15000	14000	94	5	14000	95	0
Nickel					2500	2500	99	0	2500	99	0
Potassium					150000	160000	103	5	160000	105	0
Selenium					5000	4900	97	1	4900	98	0
Silver					1250	1300	103	0	1300	103	1
Sodium					400000	410000	103	5	420000	106	0
Thallium					5000	4800	97	1	4800	97	0
Vanadium					2500	2400	97	5	2500	100	1
Zinc					15000	15000	98	0	15000	98	0

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 Lab Code: ACE Case No.: 51698 MA No. : SDG No.: MBHCH8
 Initial Calibration Verification Source : MP83143
 Continuing Calibration Verification Source : MP83146
 Run Batch: LB133346 Analytical Method: ICP-AES
 Concentration Units: µg/L

	Initial Calibration Verification				Continuing Calibration Verification						
	ID: ICV005				ID: CCV029				ID: CCV030		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Aluminum	2500	2300	93	0	400000	400000	100	0	400000	100	3
Antimony	1000	900	90	1	5000	4700	95	0	4800	96	0
Arsenic	1000	1000	102	1	5000	4900	98	0	5000	100	0
Barium	520	500	97	0	10000	10000	100	1	9900	99	3
Beryllium	510	520	102	0	500	500	100	0	500	100	2
Cadmium	510	490	95	0	2500	2500	98	0	2500	99	0
Calcium	10000	10000	100	1	400000	400000	100	0	400000	100	3
Chromium	520	550	106	0	15500	15000	99	0	15000	97	3
Cobalt	520	490	93	0	2500	2500	99	0	2500	100	0
Copper	510	480	95	1	15000	15000	99	0	15000	97	3
Iron	10000	11000	106	0	400000	410000	102	0	410000	102	3
Lead	1000	960	96	0	25000	24000	97	0	25000	98	0
Magnesium	6000	6000	99	1	400000	390000	97	0	390000	96	3
Manganese	520	520	100	1	15000	15000	98	0	14000	96	3
Nickel	530	500	94	1	2500	2500	99	0	2500	99	0
Potassium	9900	9500	96	1	150000	150000	100	0	150000	100	3
Selenium	1000	930	93	2	5000	4700	94	0	4700	95	0
Silver	250	240	95	0	1250	1200	99	0	1200	99	3
Sodium	10000	9600	96	1	400000	400000	101	0	400000	101	3
Thallium	1000	1000	103	1	5000	4800	96	1	4800	96	0
Vanadium	500	520	103	2	2500	2500	98	1	2400	98	3
Zinc	1000	930	93	0	15000	14000	96	1	14000	95	4

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	Initial Calibration Verification				Continuing Calibration Verification						
	ID:				ID: CCV031				ID: CCV032		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Aluminum					400000	400000	101	0	400000	101	1
Antimony					5000	4800	95	0	4800	96	0
Arsenic					5000	5000	100	1	5000	100	1
Barium					10000	10000	101	0	10000	101	1
Beryllium					500	510	102	0	500	100	1
Cadmium					2500	2500	99	0	2500	99	0
Calcium					400000	400000	101	0	400000	100	1
Chromium					15500	15000	98	0	15000	98	0
Cobalt					2500	2500	99	0	2500	100	0
Copper					15000	15000	99	0	15000	99	1
Iron					400000	410000	103	0	410000	102	1
Lead					25000	24000	98	0	25000	98	0
Magnesium					400000	390000	97	1	390000	97	1
Manganese					15000	15000	98	0	15000	99	1
Nickel					2500	2500	99	0	2500	100	0
Potassium					150000	150000	102	0	150000	102	1
Selenium					5000	4700	94	0	4700	95	0
Silver					1250	1200	100	0	1200	99	0
Sodium					400000	410000	102	0	400000	101	1
Thallium					5000	4800	95	0	4800	96	0
Vanadium					2500	2500	99	1	2500	98	2
Zinc					15000	14000	96	0	14000	96	1

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	Initial Calibration Verification				Continuing Calibration Verification						
	ID:				ID: CCV033				ID: CCV034		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Aluminum					400000	400000	101	1	400000	101	0
Antimony					5000	4800	95	0	4800	96	2
Arsenic					5000	5000	100	1	5000	101	2
Barium					10000	10000	102	0	10000	102	0
Beryllium					500	500	101	0	500	100	0
Cadmium					2500	2500	99	0	2500	99	1
Calcium					400000	400000	100	1	400000	101	0
Chromium					15500	15000	98	0	15000	98	0
Cobalt					2500	2500	100	0	2500	100	1
Copper					15000	15000	99	1	15000	99	0
Iron					400000	410000	102	1	410000	102	0
Lead					25000	25000	98	0	25000	98	1
Magnesium					400000	390000	97	1	390000	96	0
Manganese					15000	15000	99	1	15000	98	0
Nickel					2500	2500	99	0	2500	99	2
Potassium					150000	150000	102	0	150000	102	0
Selenium					5000	4700	94	0	4800	95	2
Silver					1250	1200	99	0	1200	99	1
Sodium					400000	410000	101	1	410000	102	0
Thallium					5000	4800	96	0	4800	96	2
Vanadium					2500	2500	98	1	2400	98	1
Zinc					15000	14000	96	1	15000	97	1