

FORM 15-IN
INITIAL CALIBRATION

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
 Lab Code: ACE Case No.: 51811 MA No.: _____ SDG No.: MH2D28
 Instrument ID: P4 Start Date: 01/15/2025
 Analytical Method: ICP-AES Run Batch: LB134297
 Concentration Units: ug/L

Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Aluminum	0	0.090	0	200	170	-15	38750	34000	-12
Antimony	0	0.020	0	60	53	-12	1250	1100	-12
Arsenic	0	0.0	0	10	9.9	-1	1250	1100	-12
Barium	0	0.020	0	200	190	-5	2500	2400	-4
Beryllium	0	-0	0	5	5.1	2	125	130	4
Cadmium	0	-0	0	5	5.2	4	625	650	4
Calcium	0	0.82	0	5000	4700	-6	62500	60000	-4
Chromium	0	-0	0	10	11	10	3875	4100	6
Cobalt	0	-0	0	50	50	0	625	640	2
Copper	0	-0	0	25	26	4	3750	3700	-1
Iron	0	0.010	0	100	100	0	37500	37000	-1
Lead	0	-0	0	10	10	0	6250	6400	2
Magnesium	0	1.6	0	5000	4200	-16	62500	58000	-7
Manganese	0	-0	0	15	15	0	3750	3800	1
Nickel	0	-0	0	40	41	3	625	650	4
Potassium	0	1.3	0	5000	4400	-12	37500	34000	-9
Selenium	0	0.010	0	35	34	-3	1250	1200	-4
Silver	0	0.0	0	10	9.4	-6	312.5	300	-4
Sodium	0	1.1	0	5000	4800	-4	37500	36000	-4
Thallium	0	-0	0	25	24	-4	1250	1300	4
Vanadium	0	-0	0	50	52	4	625	650	4
Zinc	0	0.010	0	60	58	-3	3750	3600	-4

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Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Aluminum	77500	68000	-12	155000	150000	-3	310000	300000	-3
Antimony	2500	2200	-12	5000	4900	-2	10000	11000	10
Arsenic	2500	2300	-8	5000	4900	-2	10000	10000	0
Barium	5000	4800	-4	10000	10000	0	20000	20000	0
Beryllium	250	250	0	500	500	0	1000	1000	0
Cadmium	1250	1300	4	2500	2600	4	5000	4900	-2
Calcium	125000	120000	-4	250000	250000	0	500000	480000	-4
Chromium	7750	8000	3	15500	16000	3	31000	30000	-3
Cobalt	1250	1200	-4	2500	2500	0	5000	5000	0
Copper	7500	7300	-3	15000	15000	0	30000	30000	0
Iron	75000	72000	-4	150000	150000	0	300000	290000	-3
Lead	12500	12000	-4	25000	25000	0	50000	50000	0
Magnesium	125000	120000	-4	250000	240000	-4	500000	490000	-2
Manganese	7500	7500	0	15000	15000	0	30000	30000	0
Nickel	1250	1300	4	2500	2500	0	5000	4900	-2
Potassium	75000	69000	-8	150000	150000	0	300000	310000	3
Selenium	2500	2300	-8	5000	4900	-2	10000	10000	0
Silver	625	590	-6	1250	1200	-4	2500	2600	4
Sodium	75000	70000	-7	150000	140000	-7	300000	280000	-7
Thallium	2500	2400	-4	5000	5100	2	10000	9900	-1
Vanadium	1250	1200	-4	2500	2500	0	5000	5000	0
Zinc	7500	7200	-4	15000	15000	0	30000	30000	0

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Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Aluminum	800000	840000	5						
Antimony	0	0.0	0						
Arsenic	0	0.0	0						
Barium	0	0.0	0						
Beryllium	0	0.0	0						
Cadmium	0	0.0	0						
Calcium	800000	830000	4						
Chromium	0	0.0	0						
Cobalt	0	0.0	0						
Copper	0	0.0	0						
Iron	800000	810000	1						
Lead	0	0.0	0						
Magnesium	800000	830000	4						
Manganese	0	0.0	0						
Nickel	0	0.0	0						
Potassium	0	0.0	0						
Selenium	0	0.0	0						
Silver	0	0.0	0						
Sodium	800000	830000	4						
Thallium	0	0.0	0						
Vanadium	0	0.0	0						
Zinc	0	0.0	0						

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 Lab Code: ACE Case No.: 51811 MA No.: _____ SDG No.: MH2D28
 Instrument ID: P4 Start Date: 01/16/2025
 Analytical Method: ICP-AES Run Batch: LB134314
 Concentration Units: ug/L

Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Aluminum	0	0.050	0	200	180	-10	38750	36000	-7
Antimony	0	0.020	0	60	53	-12	1250	1100	-12
Arsenic	0	0.0	0	10	8.9	-11	1250	1100	-12
Barium	0	0.030	0	200	190	-5	2500	2400	-4
Beryllium	0	-0	0	5	5.2	4	125	130	4
Cadmium	0	0.0	0	5	4.9	-2	625	640	2
Calcium	0	0.34	0	5000	4800	-4	62500	62000	-1
Chromium	0	-0	0	10	10	0	3875	4100	6
Cobalt	0	0.0	0	50	49	-2	625	630	1
Copper	0	-0	0	25	29	16	3750	3700	-1
Iron	0	-0.010	0	100	100	0	37500	39000	4
Lead	0	0.0	0	10	8.3	-17	6250	6300	1
Magnesium	0	1.2	0	5000	4400	-12	62500	60000	-4
Manganese	0	0.0	0	15	15	0	3750	3700	-1
Nickel	0	-0	0	40	40	0	625	640	2
Potassium	0	0.87	0	5000	4600	-8	37500	35000	-7
Selenium	0	0.010	0	35	28	-20	1250	1200	-4
Silver	0	0.0	0	10	10	0	312.5	300	-4
Sodium	0	0.45	0	5000	4900	-2	37500	37000	-1
Thallium	0	-0	0	25	26	4	1250	1300	4
Vanadium	0	-0.010	0	50	54	8	625	640	2
Zinc	0	0.0	0	60	61	2	3750	3700	-1

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Aluminum	77500	71000	-8	155000	150000	-3	310000	300000	-3
Antimony	2500	2300	-8	5000	4800	-4	10000	11000	10
Arsenic	2500	2300	-8	5000	4800	-4	10000	11000	10
Barium	5000	4800	-4	10000	10000	0	20000	20000	0
Beryllium	250	250	0	500	500	0	1000	990	-1
Cadmium	1250	1200	-4	2500	2500	0	5000	5000	0
Calcium	125000	120000	-4	250000	250000	0	500000	500000	0
Chromium	7750	8000	3	15500	16000	3	31000	30000	-3
Cobalt	1250	1200	-4	2500	2500	0	5000	5000	0
Copper	7500	7200	-4	15000	15000	0	30000	30000	0
Iron	75000	75000	0	150000	150000	0	300000	300000	0
Lead	12500	12000	-4	25000	25000	0	50000	50000	0
Magnesium	125000	120000	-4	250000	250000	0	500000	500000	0
Manganese	7500	7300	-3	15000	15000	0	30000	30000	0
Nickel	1250	1200	-4	2500	2500	0	5000	5000	0
Potassium	75000	70000	-7	150000	150000	0	300000	310000	3
Selenium	2500	2300	-8	5000	4800	-4	10000	10000	0
Silver	625	600	-4	1250	1200	-4	2500	2500	0
Sodium	75000	72000	-4	150000	150000	0	300000	300000	0
Thallium	2500	2500	0	5000	5100	2	10000	9800	-2
Vanadium	1250	1200	-4	2500	2500	0	5000	5000	0
Zinc	7500	7200	-4	15000	15000	0	30000	30000	0

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Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Aluminum	800000	820000	3						
Antimony	0	0.0	0						
Arsenic	0	0.0	0						
Barium	0	0.0	0						
Beryllium	0	0.0	0						
Cadmium	0	0.0	0						
Calcium	800000	810000	1						
Chromium	0	0.0	0						
Cobalt	0	0.0	0						
Copper	0	0.0	0						
Iron	800000	800000	0						
Lead	0	0.0	0						
Magnesium	800000	820000	3						
Manganese	0	0.0	0						
Nickel	0	0.0	0						
Potassium	0	0.0	0						
Selenium	0	0.0	0						
Silver	0	0.0	0						
Sodium	800000	810000	1						
Thallium	0	0.0	0						
Vanadium	0	0.0	0						
Zinc	0	0.0	0						